

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : BATTALION 31/ DIVISION 11 / BROOKLYN BOROUGH COMMANDER
Address : 172 TILLARY STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.207 / 13103 **Yr Built/Renovated** : 1971 /
Area Sq Ft : 21,900 **Project Type** : FIRE DEPARTMENT
Date of Survey : 03-Jun-2015 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 134 **Lot** : 6 **BIN** : 3000252

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$74,200	
Interior Architecture	\$141,300	
Electrical	\$41,300	\$9,600
Mechanical		\$447,600
Total	\$256,700	\$457,200
Importance Code A	\$74,200	
Importance Code B	\$182,500	\$457,200
Total	\$256,700	\$457,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$56,200			
Interior Architecture	\$29,100	\$2,700	\$500	\$1,600
Electrical	\$300	\$100	\$21,300	\$200
Mechanical	\$3,000	\$5,600	\$33,800	\$5,800
Total	\$88,500	\$8,400	\$55,700	\$7,600
Importance Code A	\$56,300	\$200	\$200	\$200
Importance Code B	\$17,200	\$7,100	\$55,500	\$7,400
Importance Code C	\$15,000	\$1,100		
Total	\$88,500	\$8,400	\$55,700	\$7,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
BATTALION 31/ DIVISION 11 / BROOKLYN BOROUGH COMMANDER
Asset # : 13103

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	60%	Now	\$74,200	LIFE	**	5	\$12,300	
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Lintels Supporting Masonry Above Windows And Brick Reliefs.</i>								
Metal Sect. OHD	10%			2039	**	5	\$6,400	
Granite Panels	30%	Now	\$13,000	LIFE	**	5	\$4,600	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	50%	Now	\$17,000	2051	**	5	\$200	
<i>Unit Inoperable, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
Aluminum	50%			2034	**	5	\$400	
Parapets								
Masonry: Brick	82%	Now	\$13,900	LIFE	**	5	\$4,800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Missing Portion Of Brick Parapet At Front Facade, Roof Level</i>								
Metal Cornice	5%			2054	**	10	\$900	
Metal Rail	3%	Now	\$100	2031	**	5	\$1,300	
<i>Loose/Miss Fasteners, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Granite Panels	10%			LIFE	**	5	\$600	
Roof								
Modified Bitumen	100%	Now	\$8,800	2031	**			
<i>Alligating, Extent : Light, Area Affected : 15%</i>								
<i>Location : Asphalt Joints Throughout.</i>								
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$6,700	LIFE	**	5	\$28,100	
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor And Stair Shaft Landings.</i>								
Ceramic Tile	10%			2035	**	5	\$3,200	
Terrazzo	10%			LIFE	**	5	\$2,500	
Vinyl Tile 9" X 9"	40%	4+	\$141,300	2036	**	3	\$4,800	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 1st Floor Office</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Other Observation, Extent : Light, Area Affected : 12%</i>								
<i>Location : Partial Renovation On 2nd Floor</i>								
<i>Explanation : Currently Under Construction</i>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
BATTALION 31/ DIVISION 11 / BROOKLYN BOROUGH COMMANDER
Asset # : 13103

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	10%			2035	**	5	\$2,100	
Concrete Masonry Unit	5%	Now	\$4,700	LIFE	**	5	\$400	
<i>Diagonal Cracks, Extent : Light, Area Affected : 15%</i>								
<i>Location : Mechanical Penthouse.</i>								
Gypsum Board	10%			LIFE	**	5	\$1,300	
<i>Other Observation, Extent : Moderate, Area Affected : 90%</i>								
<i>Location : Partial Renovation At 2nd Floor Spaces</i>								
<i>Explanation : Currently Under Construction</i>								
Plaster	35%			LIFE	**	5	\$2,200	
SGFT/Glazed Masonry	25%	Now	\$10,300	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Gymnasium And Apparatus Floor.</i>								
SGFT/Glazed Masonry	15%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	10%			2046	**	5	\$1,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Partial Renovation At 2nd Floor Spaces</i>								
<i>Explanation : Currently Under Construction</i>								
Exposed Concrete	35%			LIFE	**	5	\$600	
Plaster	55%	0-2	\$7,500	LIFE	**	5	\$3,600	
<i>Paint Peeling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Stair Shaft And Shower Area On 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Kitchen And 2nd Floor Throughout</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Not Accessible	100%							
Switchgear / Switchboard								
Not Accessible	100%							
Raceway								
Conduit	50%			2026	\$15,600	1		
Conduit	50%			2046	**	1		
Panelboards								
Molded Case Bkrs	75%			2042	**	5	\$400	
Molded Case Bkrs	25%			2025	\$9,600	5	\$100	
Wiring								
Thermoplastic	100%			2036	**	1		
Motor Controllers								
Motor Control Center	100%			2024	\$14,400	5	\$600	
Ground								

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Asset # : 13103

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Not Accessible	100%							
Lighting								
Interior Lighting Fluorescent	99%			2031	**	10	\$19,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8</i>								
Incandescent	1%			2021	\$1,400	2		
Exterior Lighting								
HID	50%			2021	\$41,300	10		
No Component	50%							
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Natural Gas	15%			2056	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Serves Space Currently Being Renovated</i>								
Not Accessible	85%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Served By Adjacent Building</i>								
Conversion Equipment Hot Water Boiler	15%			2046	**	1	\$1,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Serves Space Currently Being Renovated</i>								
Not Accessible	85%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Served By Adjacent Building</i>								
Distribution								
Hot Wtr Piping/Pump	85%			2042	**	4	\$900	
Hot Wtr Piping/Pump	15%			2051	**	4	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Serves Space Currently Being Renovated</i>								

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Asset # : 13103

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Air Handler	40%			2026	\$115,200	1	\$5,400	
Convactor/Radiator	43%			2031	**	1	\$3,000	
Convactor/Radiator	15%			2046	**	1	\$1,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Serves Space Currently Being Renovated</i>								
Unit Heater - Steam	2%			2026	\$1,500	4		
Air Conditioning								
Energy Source								
Electricity	100%			2042	**	1		
Conversion Equipment								
Reciprocating Compr/Chiller	60%			2026	\$104,300	1	\$6,100	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof Mechanical Room</i>								
Exterior Pkg Unit - Cooling	20%			2031	**	2	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : R 410a</i>								
Window/Wall Unit	20%			2021	\$8,500	1		
Distribution								
CW & CHW Wtr Pipe/Pump	60%			2036	**	4	\$1,000	
Ductwork/Diffusers	40%			LIFE	**	2	\$11,400	
Terminal Devices								
Air Handler/Cool/Ht	60%			2026	\$137,800	1	\$8,100	
No Component	40%							
Heat Rejection								
Water Cooling Tower	60%			2024	\$46,600	2	\$13,200	
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$12,200	
Exhaust Fans								
Interior	60%			2026	\$43,700	2	\$400	
Roof	40%	Now	\$300	2026	\$13,600	2	\$200	
<i>Noisy/Vibrating, Extent : Light, Area Affected : 20%</i>								
<i>Location : Roof</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		

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Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing	Water Heater Electric	100%			2021	\$18,000	4	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st Floor</i>					
			<i>Explanation : 2 - 120 Gallon Units</i>					
Sanitary Piping	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Fixtures	Generic	100%						
Fire Suppression	Sprinkler							
	No Component	95%						
	Generic	5%			2046	**	1-2	\$300

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : BATTALION 45 OLD EMS STATION 46
Address : 58-65 52ND ROAD @ E.106 ST
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0016.000 / 4438 **Yr Built/Renovated** : 1956 / 1998
Area Sq Ft : 27,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Jun-2014 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1
Block : 2351 **Lot** : 23 **BIN** : 4054172

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$468,500	\$396,800
Interior Architecture	\$148,400	\$29,700
Electrical	\$101,800	\$50,500
Mechanical		\$102,600
Total	\$718,700	\$579,500
Importance Code A	\$468,500	\$424,800
Importance Code B	\$250,200	\$154,700
Total	\$718,700	\$579,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$4,000	\$10,300	\$2,300	
Interior Architecture	\$33,900	\$2,400	\$1,200	\$400
Electrical	\$4,100	\$13,700	\$2,900	\$1,900
Mechanical	\$19,300	\$21,500	\$3,900	\$1,600
Total	\$61,300	\$47,900	\$10,200	\$3,900
Importance Code A	\$9,700	\$11,400	\$3,400	\$1,000
Importance Code B	\$50,500	\$36,500	\$6,900	\$2,900
Importance Code C	\$1,100			
Total	\$61,300	\$47,900	\$10,200	\$3,900



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FIRE DEPARTMENT - 057
BATTALION 45 OLD EMS STATION 46
Asset # : 4438

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Concrete Masonry Unit	10%	Now	\$42,400	LIFE	**	5	\$3,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : East And West Facades</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Facade, West Facade</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Facade</i>								
Masonry: Brick	10%			LIFE	**	5	\$5,200	
Metal Panel	5%			2045	**	5-10	\$17,700	
Metal Coiling Doors	10%			2038	**	5	\$16,100	
Stucco Cement	65%	Now	\$290,700	2030	**	5	\$41,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Northeast Corner</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Corners, North And West Facades</i>								
Windows								
Aluminum	75%			2041	**	5	\$4,500	
Steel	25%	Now	\$78,700	2050	**	5	\$9,400	
<i>Air Infiltration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Garage</i>								
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Garage</i>								
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Garage</i>								
Parapets								
Cast Stone/Terra Cotta	5%	Now	\$4,000	LIFE	**	5	\$2,400	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Coipng</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Coping</i>								
Concrete Masonry Unit	30%			LIFE	**	5	\$2,100	
Metal Panel	5%			2045	**	5	\$1,200	
Stucco Cement	60%			2030	**	5	\$9,700	
Roof								
Modified Bitumen	60%	Now	\$42,600	2025	\$212,900			
<i>Gut/DS Non Func/Miss, Extent : Severe, Area Affected : 25%</i>								
<i>Location : West Facade</i>								
<i>Ponding, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Flat Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Flat Roof Over Office</i>								
Modified Bitumen	40%	Now	\$14,200	2025	\$142,000			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Over Emergency Response Area</i>								
Interior								

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FIRE DEPARTMENT - 057
BATTALION 45 OLD EMS STATION 46
Asset # : 4438

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$148,400	LIFE	**	5	\$31,300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Emergency Response Area</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Emergency Response Area</i>								
<i>Uneven Surface, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Emergency Response Area</i>								
Ceramic Tile	3%			2034	**	5	\$1,000	
Panel/Paver: Cer/Brk	5%			2033	**	5	\$3,600	
Raised Access Floor	5%			2034	**	5	\$6,000	
Steel Plate	1%	Now	\$28,900	LIFE	**	1		
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Emergency Response Area</i>								
<i>Deformed/Dented, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Emergency Response Area</i>								
<i>Uneven Surface, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Emergency Response Area</i>								
Vinyl Tile	11%			2025	\$29,700	3	\$1,700	
Vinyl Tile	30%			2030	**	3	\$3,600	
Interior Walls								
Ceramic Tile	5%			2034	**	5	\$2,200	
Concrete Masonry Unit	70%			LIFE	**	5	\$12,600	
Gypsum Board	25%			LIFE	**	5	\$6,700	
Ceilings								
AcousTileConcealSpLn	20%			2038	**	5	\$7,900	
AcousTileSusp.Lay-In	15%			2030	**	5	\$4,800	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Office</i>								
Exposed Struc: Steel	65%			LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Emergency Response Area</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2025	\$4,800	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : No Available Nameplate Ratings</i>								
Switchgear / Switchboard								
Fused Disc Sw	80%			2025	\$39,000	5	\$100	
Fused Disc Sw	20%			2045	**	5		

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BATTALION 45 OLD EMS STATION 46
Asset # : 4438

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Raceway								
	Conduit	80%			2025	\$25,000	1	
	Conduit	20%			2045	**	1	
Panelboards								
	Fused Disc Sw	10%			2033	**	5	\$100
	Molded Case Bkrs	60%			2024	\$23,100	5	\$400
	Molded Case Bkrs	20%			2041	**	5	\$100
	Molded Case Bkrs	10%			2033	**	5	\$100
Wiring								
	Thermoplastic	80%			2025	\$22,200	1	
	Thermoplastic	20%			2045	**	1	
Ground								
Grounding Devices								
	Not Accessible	100%						
Stand-by Power								
Transfer Switches								
	Automatic	100%			2038	**	1	\$8,300
Generators								
	Diesel	50%			2034	**	1	\$5,200
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Outside</i>							
	<i>Explanation : Generator Rated @ 81 Kva</i>							
	Not Accessible	50%						
Batteries								
	Lead/Acid	100%			2019	\$1,500	5	\$1,000
Fuel Storage								
	Day Tank	50%			2041	**	5	\$2,000
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Outside</i>							
	<i>Explanation : No Available Nameplate Rating Capacity</i>							
	Not Accessible	50%						
Lighting								
Interior Lighting								
	Fluorescent	20%			2025	\$11,500	10	\$3,900
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Throughout The Building</i>							
	<i>Explanation : T-12 Lamps</i>							
	Fluorescent	60%			2030	**	10	\$11,700
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Throughout The Building</i>							
	<i>Explanation : T-8 Lamps</i>							
	HID	20%			2025	\$4,200	10	\$100
Egress Lighting								
	Emergency, Service	50%			2030	**	1	
	Exit, Service	50%			2030	**	1	

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
BATTALION 45 OLD EMS STATION 46
Asset # : 4438

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting

HID	100%			2020	\$101,800	10	\$100	
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Alarm

Security System

No Component	70%							
Generic	30%			2025	\$24,500	1	\$3,000	

Other Observation, Extent : Moderate, Area Affected : 100%

Location : Outside And Inside

Explanation : C C T V Surveillance Cameras

Fire/Smoke Detection

No Component	90%							
Generic, Analog	10%			2025	\$27,900	1-3	\$1,700	

Other Observation, Extent : Moderate, Area Affected : 100%

Location : Hallways

Explanation : Smoke Detectors

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Electricity	5%			2035	**	1		
Natural Gas	95%			2035	**	1		

Conversion Equipment

Furnace	10%	Now	\$4,700	2035	**	1	\$900	
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Other Observation, Extent : Light, Area Affected : 95%

Location : 1 Obsolete Package Unit On The Roof

Explanation : Total - 7 Units

Furnace	60%			2025	\$28,000	1	\$6,300	
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Other Observation, Extent : Light, Area Affected : 60%

Location : Roof

Explanation : 3 Package Units

Furnace	25%			2033	**	1	\$2,600	
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Other Observation, Extent : Light, Area Affected : 25%

Location : Roof

Explanation : 1 Package Unit

Radiant Heater	5%			2025	\$17,600	2	\$500	
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Air Conditioning

Energy Source

Electricity	100%			2033	**	1		
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
BATTALION 45 OLD EMS STATION 46
Asset # : 4438

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	30%			2025	\$74,500	2	\$400	
			<i>R-22 Refrigerant, Extent : Light, Area Affected : 30%</i>					
			<i>Location : Roof</i>					
			<i>Other Observation, Extent : Light, Area Affected : 30%</i>					
			<i>Location : Roof</i>					
			<i>Explanation : 3 Units</i>					
Ext Pkg Unit - Heating/Cooling	20%			2033	**	2	\$300	
			<i>Other Observation, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Roof</i>					
			<i>Explanation : 1 Unit Using Refrigerant R-410a</i>					
Ext Pkg Unit - Heating/Cooling	5%	Now	\$12,400	2035	**	2	\$100	
			<i>Obsolete Equipment, Extent : Severe, Area Affected : 10%</i>					
			<i>Location : Roof</i>					
			<i>R-22 Refrigerant, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Roof</i>					
Window/Wall Unit	5%			2020	\$2,100	1		
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$11,800	
Exhaust Fans								
Roof	90%			2025	\$29,600	2	\$600	
Wall Unit	10%			2020	\$700	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2035	**	1		
Water Heater								
Gas Fired	100%			2020	\$12,100	2	\$300	
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Backflow Preventer								
Generic	100%			2020	\$5,000	1	\$1,300	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
Generic	100%			2035	**	1-2	\$5,900	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : BATTALION ENG. CO. 45/LAD CO. 58
Address : 925 EAST TREMONT AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.045 / 13033 **Yr Built/Renovated** : 1931 / 1975
Area Sq Ft : 15,225 **Project Type** : FIRE DEPARTMENT
Date of Survey : 19-Jun-2015 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3126 **Lot** : 12 **BIN** : 2013192

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$136,700
Interior Architecture	\$234,500	
Electrical		\$101,500
Mechanical		\$50,600
Total	\$234,500	\$288,800
Importance Code A		\$136,700
Importance Code B	\$234,500	\$152,100
Total	\$234,500	\$288,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$41,000		\$2,700	\$1,500
Interior Architecture	\$40,100	\$1,100	\$1,100	
Electrical	\$5,800	\$1,200	\$18,700	\$1,100
Mechanical	\$1,800	\$1,800	\$26,900	\$2,100
Total	\$88,800	\$4,100	\$49,500	\$4,700
Importance Code A	\$42,200	\$1,100	\$4,000	\$2,600
Importance Code B	\$14,400	\$2,900	\$45,400	\$2,100
Importance Code C	\$32,200			
Total	\$88,800	\$4,100	\$49,500	\$4,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
BATTALION ENG. CO. 45/LAD CO. 58
Asset # : 13033

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	20%	Now	\$4,600	2046	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Vinyl Vent Soffit At Roof Level</i>								
Masonry: Brick	55%	Now	\$28,700	LIFE	**	5	\$19,100	
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Rear Facade</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Rear Facade</i>								
Masonry: Brick	13%			LIFE	**	5	\$4,500	
Masonry: Granite	2%			LIFE	**	5	\$500	
Metal Sect. OHD	5%			2031	**	5	\$5,400	
Stucco Cement	5%	Now	\$5,000	2031	**	5	\$2,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : East Roof Wall</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : East Roof Wall</i>								
Windows								
Aluminum	100%			2042	**	5	\$3,000	
Parapets								
Masonry: Brick	85%			LIFE	**	5	\$3,600	
<i>Efflorescence, Extent : Light, Area Affected : 15%</i>								
<i>Location : Main Roofs</i>								
Masonry: Granite	5%			LIFE	**	5	\$300	
Masonry: Limestone	10%			LIFE	**	5	\$500	
Roof								
Modified Bitumen	100%	Now	\$2,700	2026	\$136,700			
<i>Alligatoring, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Roof Lap Seams.</i>								
<i>Blisters, Extent : Light, Area Affected : 5%</i>								
<i>Location : Engine Side.</i>								
<i>Debris Present, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Lower Roof Area</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor Hatch.</i>								
<i>Explanation : Internal Fixed Hatch Ladder Pulling From Masonry.</i>								
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
BATTALION ENG. CO. 45/LAD CO. 58
Asset # : 13033

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$47,300	LIFE	**	5	\$19,900	
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Both Building Apparatus Floors.</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement 1932 Section</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 1932 Section</i>								
<i>Explanation : Apparatus Floor Slab Is Old And Does Not Carry Current Loads - Needs Replacement On 1932 Side</i>								
Ceramic Tile	10%			2035	**	5	\$2,300	
Quarry Tile	5%	Now	\$700	2031	**	5	\$900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Kitchen</i>								
Terrazzo	5%			LIFE	**	5	\$900	
Vinyl Tile	40%			2021	\$77,400	3	\$3,400	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2029	**	5	\$1,600	
Concrete Masonry Unit	50%	Now	\$6,900	LIFE	**	5	\$6,300	
<i>Vertical Cracks, Extent : Light, Area Affected : 50%</i>								
<i>Location : Engine Side Stair Shaft</i>								
Marble Panels	5%			LIFE	**			
Plaster	25%	Now	\$6,300	LIFE	**	5	\$2,400	
<i>Paint Peeling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Roof Ladder Shaft At Second Floor</i>								
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor Both Houses.</i>								
SGFT/Glazed Masonry	15%	Now	\$18,200	LIFE	**			
<i>Diagonal Cracks, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Spider Cracking Throughout Engine Side Apparatus Floor.</i>								
Ceilings								
AcousTileSusp.Lay-In	5%			2039	**	5	\$1,100	
Exposed Concrete	50%	Now	\$109,800	LIFE	**	5	\$1,800	
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Engine Side Basement Steel At Ceiling.</i>								
<i>Spalling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Engine Side Basement.</i>								
Plaster	45%	Now	\$6,700	LIFE	**	5	\$6,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor Both Houses.</i>								
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Engine Side Of 1st Floor, 2nd Floor Locker Room</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
BATTALION ENG. CO. 45/LAD CO. 58
Asset # : 13033

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2026	\$4,800	5	\$400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 300 Amperes Service</i>						
<hr/>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2036	**	5	\$400	
<hr/>								
Raceway								
Conduit	100%			2036	**	1		
<hr/>								
Panelboards								
Molded Case Bkrs	50%			2025	\$19,200	5	\$200	
Molded Case Bkrs	50%			2034	**	5	\$200	
<hr/>								
Wiring								
Thermoplastic	50%			2026	\$13,800	1		
Thermoplastic	50%			2036	**	1		
<hr/>								
Ground								
Grounding Devices								
Generic	100%	0-2	\$2,900	LIFE	**	5	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Ground Clamp And Wire Are Corroded.</i>						
<hr/>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2031	**	1	\$4,700	
<hr/>								
Generators								
Diesel	100%			2029	**	1	\$5,900	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 25 Kw</i>						
<hr/>								
Batteries								
Lead/Acid	100%			2019	\$1,500	5	\$600	
<hr/>								
Fuel Storage								
Main Tank	100%			2041	**	5	\$400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 275 Gallons</i>						
<hr/>								
Lighting								
Interior Lighting								
Fluorescent	95%			2026	\$39,200	10	\$13,300	
Incandescent	5%			2021	\$4,900	2		
<hr/>								
Egress Lighting								
Emergency, Service	100%			2026	\$7,500	1		
<hr/>								
Exterior Lighting								
HID	75%			2026	\$43,100	10		
Incandescent	25%			2021	\$12,200	2		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
BATTALION ENG. CO. 45/LAD CO. 58
Asset # : 13033

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2046	**	1		
Conversion Equipment								
Hot Water Boiler	50%			2039	**	1	\$3,800	
Steam Boiler	50%			2039	**	1	\$7,500	
Distribution								
Hot Wtr Piping/Pump	50%			2042	**	4	\$400	
Central Plant Steam Piping/Pmp	50%			2046	**	4	\$400	
Terminal Devices								
Convactor/Radiator	100%			2031	**	1	\$4,900	
Air Conditioning								
Energy Source								
Electricity	100%			2042	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	20%			2021	\$23,100	2	\$200	
		<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
Split Unit	5%			2031	**			
Window/Wall Unit	60%			2024	\$17,800	1		
No Component	15%							
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2	\$4,000	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$8,500	
Exhaust Fans								
Interior	100%			2026	\$50,600	2	\$500	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2036	**	1		
Water Heater								
Gas Fired	100%			2024	\$8,700	2	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 - 75 Gallon Units</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	100%			2031	**	4	\$500	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 Units</i>						

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FIRE DEPARTMENT - 057
BATTALION ENG. CO. 45/LAD CO. 58
Asset # : 13033

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Plumbing								
Fixtures								
Generic		100%						

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 ** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : BRONX COMMUNICATION DIVISION BRONX BORO. COMMAND/DIST OFFICE
Address : 451-453 EAST 176TH ST.
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSCOM.000 / 13383 **Yr Built/Renovated** : 1894 / 2010
Area Sq Ft : 12,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 04-May-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2909 **Lot** : 40 **BIN** : 2009541

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$68,300	\$49,700
Interior Architecture	\$254,400	
Total	\$322,700	\$49,700
Importance Code A	\$68,300	\$49,700
Importance Code B	\$254,400	
Total	\$322,700	\$49,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$53,800		\$2,000	\$12,100
Interior Architecture	\$60,800	\$6,800	\$1,100	
Electrical	\$800	\$900	\$2,600	\$12,300
Mechanical	\$2,300	\$3,800	\$2,500	\$1,400
Total	\$117,700	\$11,600	\$8,100	\$25,900
Importance Code A	\$54,400	\$600	\$2,600	\$12,800
Importance Code B	\$27,700	\$11,000	\$4,900	\$13,100
Importance Code C	\$35,600		\$600	
Total	\$117,700	\$11,600	\$8,100	\$25,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
BRONX COMMUNICATION DIVISION BRONX BORO. COMMAND/DIST OFFICE
Asset # : 13383

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	5%	2-4	\$13,200	LIFE	**	5	\$12,700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Front Facade</i>								
Masonry: Brick	70%	Now	\$68,300	LIFE	**	5	\$22,700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front Facade</i>								
Masonry: Brownstone	10%	Now	\$30,700	LIFE	**	5	\$2,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Overhead Door Frames</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 10%</i>								
<i>Location : At Overhead Door Frames</i>								
Wood Overhead Doors	15%			2032	**	5	\$24,300	
Windows								
Aluminum	100%			2043	**	5	\$1,700	
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$6,300	
Copper/Terne	20%			2071	**	5	\$3,900	
Masonry: Brick	60%			LIFE	**	5	\$2,400	
Roof								
Roll Roofing	90%	Now	\$9,900	2023	\$49,700	5	\$10,100	
<i>Blisters, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	5%			2047	**	10	\$2,200	
Skylight, Plastic	5%			2040	**	1		
Interior								
Floors								
Cast in Place Concrete	25%	2-4	\$9,300	LIFE	**	5	\$9,800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Room</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
Ceramic Tile	5%			2036	**	5	\$900	
Panel/Paver: Cer/Brk	15%	4+	\$15,800	2035	**	5	\$3,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : First Floor - Bronx Boro Command</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations - 1st Floor</i>								
Quarry Tile	10%			2040	**	5	\$2,700	
Vinyl Tile	45%			2032	**	3	\$3,000	

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
BRONX COMMUNICATION DIVISION BRONX BORO. COMMAND/DIST OFFICE
Asset # : 13383

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	5%			2036	**	5	\$1,200	
Ceramic Tile	10%	Now	\$6,800	2030	**	5	\$1,200	
<i>Vertical Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Communications - Aparatus Floor</i>								
Gypsum Board	75%			LIFE	**	5	\$11,100	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Second And Third Floors</i>								
Masonry: Brick	10%	Now	\$28,800	LIFE	**			
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Sidewalk Vault</i>								
Ceilings								
AcousTileSusp.Lay-In	50%			2040	**	5	\$9,000	
Embossed Metal	25%			LIFE	**	5	\$2,000	
Exposed Struc: Steel	5%	0-2	\$188,800	LIFE	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Beams Supported By Lolly Columns</i>								
Gypsum Board	10%			LIFE	**	5	\$2,200	
Masonry:Vault Struct	10%	Now	\$65,600	LIFE	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Sidewalk Vault - Communications Side Of Building</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2027	\$4,800	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2- Main Service Disconnect Switches Rated @ 200 Amperes Each.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2047	**	5	\$300	
Raceway								
Conduit	100%			2047	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
BRONX COMMUNICATION DIVISION BRONX BORO. COMMAND/DIST OFFICE
Asset # : 13383

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Fused Disc Sw	5%			2043	**	5		
Molded Case Bkrs	95%			2043	**	5	\$300	
Wiring								
Thermoplastic	100%			2047	**	1		
Stand-by Power								
Transfer Switches								
Automatic	100%			2040	**	1	\$3,700	
Generators								
Diesel	100%			2036	**	1	\$4,700	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Emergency Generator Rated @ 80 Kva</i>								
Batteries								
Lead/Acid	100%			2021	\$1,500	5	\$400	
Fuel Storage								
Day Tank	50%			2043	**	5	\$1,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : No Available Nameplate Rating Capacity</i>								
Main Tank	50%			2030	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : No Available Nameplate Rating Capacity</i>								
Lighting								
Interior Lighting								
Fluorescent	100%			2032	**	10	\$11,000	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Egress Lighting								
Emergency, Service	40%			2032	**	1		
Emergency, Battery	10%			2032	**	10	\$300	
Exit, Service	50%			2032	**	1		
Exterior Lighting								
LED	10%			2032	**			
No Component	90%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2044	**	1	\$5,900	

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
BRONX COMMUNICATION DIVISION BRONX BORO. COMMAND/DIST OFFICE
Asset # : 13383

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Hot Wtr Piping/Pump	100%			2049	**	4	\$600	
Terminal Devices								
Convactor/Radiator	75%			2044	**	1	\$2,900	
Unit Heater - Steam	25%			2032	**	4	\$400	
Air Conditioning								
Energy Source								
Electricity	100%			2049	**	1		
Conversion Equipment								
Split Unit	50%			2035	**			
		<i>Other Observation, Extent : Light, Area Affected : 50%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 16 Split Units Using R-410 A</i>						
No Component	50%							
Terminal Devices								
Fan Coil - 2 Pipe	50%			2035	**	1	\$1,900	
No Component	50%							
Heat Rejection								
Dry Cooler	50%			2035	**	2	\$4,200	
No Component	50%							
Ventilation								
Exhaust Fans								
Wall Unit	30%			2032	**	2	\$100	
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2053	**	1		
		<i>No Water Meter, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
Water Heater								
Gas Fired	100%			2026	\$6,800	2	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1-75 Gallon Unit</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	100%			2027	\$1,700	4	\$400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 Units - One Serves Each Side</i>						
Fixtures								
Generic	100%							
Fire Suppression								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
BRONX COMMUNICATION DIVISION BRONX BORO. COMMAND/DIST OFFICE
Asset # : 13383

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Chemical System							
	Generic	100%			2020	\$1,900	1-3	\$3,700
<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Kitchen, 1st Floor</i> <i>Explanation : 1 Set</i>								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : COMMUNICATIONS CENTER - S.I.
Address : 65 SLOSSON AVENUE @ CLOVE LAKES PARK
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIR0008.010 / 1997 **Yr Built/Renovated** : 1962 / 2012
Area Sq Ft : 11,550 **Project Type** : FIRE DEPARTMENT
Date of Survey : 09-May-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Sub Basement, Roof, Floors 1
Block : 319 **Lot** : 1 **BIN** : 5112428

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$1,300			\$13,000
Interior Architecture	\$4,600	\$12,300		\$2,100
Electrical	\$2,600	\$2,100	\$1,900	\$3,600
Mechanical	\$4,700	\$3,400	\$5,900	\$3,100
Total	\$13,200	\$17,800	\$7,800	\$21,800
Importance Code A	\$1,900	\$600	\$600	\$13,600
Importance Code B	\$11,300	\$16,600	\$7,300	\$8,200
Importance Code C		\$700		
Total	\$13,200	\$17,800	\$7,800	\$21,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER - S.I.
Asset # : 1997

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast in Place Concrete	3%			LIFE	**	5	\$1,400	
Masonry: Brick	80%			LIFE	**	5	\$7,600	
Metal Panel	5%			2047	**	5-10	\$3,300	
Metal Panel	10%			2047	**	5-10	\$6,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Service Room And Sun Shelves</i>								
<i>Explanation : Ancillary Structure</i>								
Window Wall	2%			2047	**	5	\$700	
Windows								
Aluminum	95%			2049	**	5	\$2,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Bullet Proof Glass</i>								
Glass Block	5%			LIFE	**	5	\$100	
Roof								
Modified Bitumen	90%			2032	**	10	\$9,000	
Modified Bitumen	10%			2032	**	10	\$1,000	
Interior								
Floors								
Carpet	25%			2028	\$53,100	3	\$8,300	
Cast in Place Concrete	25%			LIFE	**	5	\$9,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Topped With Epoxy Coating</i>								
Ceramic Tile	5%			2040	**	5	\$800	
Raised Access Floor	30%			2040	**	5	\$18,700	
Sheet Vinyl/Rubber	15%			2035	**	5	\$3,700	
Interior Walls								
Ceramic Tile	10%			2040	**	5	\$1,300	
Concrete Masonry Unit	40%			LIFE	**	5	\$2,100	
Gypsum Board	40%			LIFE	**	5	\$3,100	
Plaster	10%			LIFE	**	5	\$400	
Ceilings								
AcousTileSusp.Lay-In	30%			2044	**	5	\$5,000	
Exposed Concrete	45%			LIFE	**	5	\$1,200	
Exposed Struc: Steel	10%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Material Actually Concrete Metal Decking</i>								
Gypsum Board	15%			LIFE	**	5	\$3,100	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER - S.I.

Asset # : 1997

Electrical	Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2053	**	5	\$100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Electrical Room</i>						
		<i>Explanation : Main Service Disconnect Switch Rated @ 2000 Amperes.</i>						
Switchgear / Switchboard								
Fused Disc Sw	100%			2053	**	5	\$100	
Raceway								
Conduit	100%			2053	**	1		
Panelboards								
Molded Case Bkrs	100%			2049	**	5	\$300	
Wiring								
Thermoplastic	100%			2053	**	1		
Motor Controllers								
Locally Mounted	10%			2044	**	5		
Variable Frequency Drive	90%			2044	**			
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	**	1	\$3,600	
Generators								
Diesel	100%			2040	**	1	\$4,500	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Generator Room</i>						
		<i>Explanation : 2- 638kva Emergency Generator</i>						
Batteries								
Lead/Acid	100%			2022	\$1,500	5	\$400	
Fuel Storage								
Day Tank	50%			2049	**	5	\$1,100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Generator Room</i>						
		<i>Explanation : 275 Gallons Rated Capacity</i>						
Underground Storage	50%			LIFE	**	5	\$400	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Underground</i>						
		<i>Explanation : No Available Nameplate Rating Capacity</i>						
Lighting								
Interior Lighting								
Fluorescent	95%			2035	**	10	\$10,100	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Fluorescent	5%			2035	**	10	\$500	
		<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Hallways</i>						

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FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER - S.I.
Asset # : 1997

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Egress Lighting								
Emergency, Service	45%			2035	**	1		
Emergency, Battery	5%			2035	**	10	\$100	
Exit, LED	50%			2062	**	1		
Exterior Lighting								
Fluorescent	20%			2035	**	10	\$200	
			<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Outside</i>					
No Component	80%							
Alarm								
Security System								
Generic	100%			2032	**	1	\$4,300	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
			<i>Explanation : CCTV Surveillance System</i>					
Fire/Smoke Detection								
Generic, Digital	100%			2032	**	1-3	\$7,100	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
			<i>Explanation : Smoke Detectors, Alarm Bells, Manual Pull Stations, Horns, Strobe Lights</i>					
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Fuel Oil No 2	100%			2053	**	5	\$3,600	
Conversion Equipment								
Hot Water Boiler	100%			2044	**	1	\$5,700	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement Boiler Room</i>					
			<i>Explanation : 1 Unit</i>					
Distribution								
Hot Wtr Piping/Pump	100%			2049	**	4	\$600	
Terminal Devices								
Air Handler	85%			2035	**	1	\$6,100	
Convactor/Radiator	15%			2044	**	1	\$600	
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Centrifugal, Elec Chiller	80%			2030	**	1	\$10,000	
			<i>R-22 Refrigerant, Extent : Light, Area Affected : 80%</i>					
			<i>Location : Chiller, Back Yard</i>					
No Component	20%							

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER - S.I.

Asset # : 1997

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Distribution								
	CW & CHW Wtr Pipe/Pump	80%			2037	* *	4	\$500
	No Component	20%						
Terminal Devices								
	Air Handler/Cool/Ht	60%			2035	* *	1	\$4,300
	Fan Coil - 2 Pipe	20%			2035	* *	1	\$800
	No Component	20%						
Heat Rejection								
	Air Cooled Condenser Unit	80%			2027	\$13,900	2	\$6,400
	No Component	20%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$6,400
Exhaust Fans								
	Roof	100%			2035	* *	2	\$400
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2047	* *	1	
Water Heater								
	Electric	100%			2025	\$9,500	4	\$100
Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1	
Sewage Ejector(s)								
	Electric	100%			2035	* *	4	\$700
Backflow Preventer								
	Generic	100%			2032	* *	1	\$700
Fixtures								
	Generic	100%						
Fire Suppression								
Sprinkler								
	No Component	85%						
	Generic	15%			2053	* *	1-2	\$500
Chemical System								
	Generic	100%			2026	\$1,900	1-3	\$3,700
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1 Wet Set In Kitchen, 2 Dry Sets (Fm-200) In Communication Room</i>								
<i>Explanation : 3 Sets</i>								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : COMMUNICATIONS CENTER-BRONX
Address : 1129 EAST 180TH STREET @ BRONX PARK
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIR0007.010 / 1996 **Yr Built/Renovated** : 1915 / 2007
Area Sq Ft : 10,860 **Project Type** : FIRE DEPARTMENT
Date of Survey : 04-May-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,ATT
Block : 4333 **Lot** : 1 **BIN** : 2101003

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$48,400	
Interior Architecture		\$654,200
Total	\$48,400	\$654,200
Importance Code A	\$48,400	
Importance Code C		\$654,200
Total	\$48,400	\$654,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$51,200			\$3,500
Interior Architecture		\$4,000	\$5,200	\$300
Electrical	\$1,800	\$2,200	\$3,500	\$11,800
Mechanical	\$4,100	\$4,600	\$4,100	\$6,600
Total	\$57,000	\$10,800	\$12,800	\$22,100
Importance Code A	\$51,700	\$500	\$500	\$4,000
Importance Code B	\$5,300	\$10,300	\$12,100	\$18,100
Importance Code C			\$200	
Total	\$57,000	\$10,800	\$12,800	\$22,100



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-BRONX

Asset # : 1996

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	7%	4+	\$28,800	LIFE	**	5	\$13,800	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Window Sill And Door Openings</i>								
Masonry: Brick	82%	4+	\$12,500	LIFE	**	5	\$20,800	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Facade</i>								
Masonry: Limestone	5%	Now	\$7,700	LIFE	**	5	\$1,000	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Balustrade</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Balustrade Throughout</i>								
Metal: Cage/Fence	1%			2044	**	5	\$1,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Decorative Grilles At Window Openings</i>								
Stucco Cement	2%			2032	**	5	\$1,300	
Window Wall	3%			2053	**	5	\$2,800	
Windows								
Aluminum	97%			2049	**	5	\$3,300	
Metal Louvers	3%			2036	**	10	\$600	
Roof								
Clay Tile	90%	Now	\$48,400	2047	**			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Ice Breakers Missing</i>								
Copper/Terne	7%			2062	**	10	\$2,800	
Panel/Paver: Cer/Brk	3%			2037	**	10	\$600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Entry Portico</i>								
<i>Explanation : Walking Surface Over Vault</i>								
Interior								
Floors								
Carpet	27%			2026	\$58,300	3	\$6,900	
Cast in Place Concrete	25%			LIFE	**	5	\$9,300	
Ceramic Tile	3%			2036	**	5	\$500	
Quarry Tile	2%			2032	**	5	\$500	
Raised Access Floor	15%			2036	**	5	\$9,500	
Terrazzo	5%			LIFE	**	5	\$700	
Vinyl Tile	23%			2032	**	3	\$1,500	

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-BRONX

Asset # : 1996

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Interior Walls

Ceramic Tile	3%			2036	**	5	\$400	
Concrete Masonry Unit	5%			LIFE	**	5	\$300	
Fabric on Framing	45%			2028	\$654,200	5	\$3,200	
Gypsum Board	15%			LIFE	**	5	\$1,300	
Masonry: Brick	10%			LIFE	**			
Plaster	20%			LIFE	**	5	\$900	
Wood	2%			LIFE	**	5	\$1,100	

Ceilings

AcousTileSusp.Lay-In	15%			2040	**	5	\$2,500	
Exposed Concrete	20%			LIFE	**	5	\$500	
Gypsum Board	15%			LIFE	**	5	\$3,200	
Plaster	50%			LIFE	**	5	\$5,300	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2047	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated @ 2000 Amperes</i>								

Transformers

Dry Type	100%			2040	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 225kva, 480/208/120 Volts</i>								

Switchgear / Switchboard

Fused Disc Sw	100%			2047	**	5		
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Raceway

Conduit	100%			2047	**	1		
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Panelboards

Molded Case Bkrs	100%			2043	**	5	\$300	
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Wiring

Thermoplastic	100%			2047	**	1		
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Motor Controllers

Locally Mounted	100%			2040	**	5	\$100	
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$200	
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Stand-by Power

Transfer Switches

Automatic	100%			2040	**	1	\$3,300	
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-BRONX

Asset # : 1996

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power Generators								
Diesel	50%			2036	**	1	\$2,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 2 Emergency Generator Rated @ 125 Kva Each</i>								
Diesel	50%			2036	**	1	\$2,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : 2 Emergency Generator Rated @ 638kva Each</i>								
Batteries								
Lead/Acid	100%			2021	\$1,500	5	\$400	
Fuel Storage								
Day Tank	50%			2043	**	5	\$1,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : 247 Gallons Rated Capacity</i>								
Underground Storage	50%			LIFE	**	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Underground</i>								
<i>Explanation : 5000 Gallons Rated Capacity</i>								
Lighting								
Interior Lighting								
Fluorescent	90%			2032	**	10	\$9,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	8%			2032	**	10	\$800	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Corridors</i>								
<i>Explanation : Compact Fluorescent Lamps</i>								
Incandescent	2%			2032	**	2		
Egress Lighting								
Emergency, Service	50%			2032	**	1		
Emergency, Battery	10%			2032	**	10	\$300	
Exit, Service	40%			2032	**	1		
Exterior Lighting								
HID	20%			2032	**	10		
No Component	80%							
Lightning Protection								
Arresters/Cabling								
Generic	100%			2055	**	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Tower And Roof</i>								
<i>Explanation : Steel Lightning Rods</i>								
Alarm								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-BRONX

Asset # : 1996

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Security System Generic	100%			2032	**	1	\$4,100	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Inside And Outside The Building

Explanation : CCTV Surveillance System And Intrusion Alarm System

Fire/Smoke Detection Generic, Digital	100%			2032	**	1-3	\$6,700	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Throughout The Building

Explanation : Strobe Lights, Manual Pull Stations, Smoke Detectors, Alarm Bells And Horns

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source Fuel Oil No 2	100%			2047	**	5	\$3,400	
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Conversion Equipment Hot Water Boiler	100%			2040	**	1	\$5,400	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement Boiler Room

Explanation : 2 Units

Distribution Hot Wtr Piping/Pump	100%			2043	**	4	\$800	
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Terminal Devices Air Handler	60%			2032	**	1	\$4,000	
Convector/Radiator	40%			2040	**	1	\$1,400	

Air Conditioning

Energy Source Electricity	100%			2043	**	1		
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Conversion Equipment Centrifugal, Elec Chiller	90%			2036	**	1	\$10,600	
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R-22 Refrigerant, Extent : Light, Area Affected : 90%

Location : Outside In The Yard

No Component	10%							
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Distribution CW & CHW Wtr Pipe/Pump	90%			2047	**	4	\$700	
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No Component	10%							
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Terminal Devices Air Handler/Cool/Ht	70%			2032	**	1	\$4,700	
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Fan Coil - 2 Pipe	20%			2032	**	1	\$700	
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No Component	10%							
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-BRONX

Asset # : 1996

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Heat Rejection								
	Air Cooled Condenser Unit	90%			2032	**	2	\$6,800
	No Component	10%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,100
Exhaust Fans								
	Interior	100%			2032	**	2	\$300
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2047	**	1	
Water Heater								
	Oil Fired	100%			2025	\$8,400	1	\$300
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 2 Units</i>							
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Fixtures								
	Generic	100%						
Fire Suppression								
Sprinkler								
	No Component	30%						
	Generic	70%			2047	**	1-2	\$2,100
Chemical System								
	Generic	100%			2025	\$1,900	1-3	\$4,000
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : 1 Wet Set In Kitchen, 1 Dry Set (Fm-200) In Communication Room</i>							
	<i>Explanation : 2 Sets</i>							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : COMMUNICATIONS CENTER-BROOKLYN
Address : 35 EMPIRE BLVD @ WASHINGTON AVE.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIR0005.010 / 1994 **Yr Built/Renovated** : 1916 / 2016
Area Sq Ft : 10,826 **Project Type** : FIRE DEPARTMENT
Date of Survey : 28-Apr-2016 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1
Block : 1183 **Lot** : 51 **BIN** : 3029669

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$54,000	
Total	\$54,000	
Importance Code A	\$54,000	
Total	\$54,000	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$12,800			
Interior Architecture	\$6,100	\$4,500	\$400	\$3,800
Electrical	\$2,200	\$1,800	\$1,600	\$3,500
Mechanical	\$5,000	\$3,800	\$6,700	\$4,900
Total	\$26,300	\$10,100	\$8,700	\$12,300
Importance Code A	\$13,400	\$500	\$500	\$500
Importance Code B	\$12,900	\$9,600	\$8,200	\$11,700
Importance Code C				
Total	\$26,300	\$10,100	\$8,700	\$12,300



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-BROOKLYN
Asset # : 1994

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	12%	4+	\$54,000	LIFE	**	5	\$23,700	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Cornices And Decorative Elements</i>								
Masonry: Brick	80%			LIFE	**	5	\$20,300	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : Rear Facade</i>								
<i>Patching Evident, Extent : Light, Area Affected : 35%</i>								
<i>Location : All Facades</i>								
Masonry: Limestone	8%			LIFE	**	5	\$1,500	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Sills And Lintels</i>								
Windows								
Aluminum	75%			2049	**	5	\$2,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Bullet Resistant Glass And/or Protective Metal Grilles</i>								
Aluminum	25%	Now	\$11,600	2035	**	5	\$400	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement Windows</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement Windows</i>								
Roof								
Clay Tile	95%			2047	**	10	\$15,400	
Panel/Paver: Cer/Brk	5%			2037	**	10	\$1,100	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Entry Portico</i>								
Interior								
Floors								
Carpet	45%			2028	\$106,200	3	\$15,300	
Cast in Place Concrete	25%			LIFE	**	5	\$9,300	
Ceramic Tile	5%			2036	**	5	\$800	
Quarry Tile	5%			2044	**	5	\$1,300	
Raised Access Floor	10%			2040	**	5	\$6,400	
Sheet Vinyl/Rubber	10%			2035	**	5	\$2,500	
Interior Walls								
Gypsum Board	85%			LIFE	**	5	\$7,300	
Masonry: Brick	15%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	20%			2044	**	5	\$3,400	
Exposed Concrete	40%			LIFE	**	5	\$1,100	
Plaster	40%			LIFE	**	5	\$4,200	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-BROOKLYN
Asset # : 1994

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Air Circuit Breaker	100%			2053	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Low Voltage Power Circuit Breaker Rated @ 1600 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2053	**	5	\$300	
Raceway								
Conduit	100%			2053	**	1		
Panelboards								
Fused Disc Sw	5%			2049	**	5		
Molded Case Bkrs	95%			2049	**	5	\$300	
Wiring								
Thermoplastic	100%			2053	**	1		
Motor Controllers								
Variable Frequency Drive	100%			2044	**			
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	**	1	\$3,300	
Generators								
Diesel	100%			2040	**	1	\$4,200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 2- Diesel Generators Rated @ 450 Kw Each.</i>								
Batteries								
Lead/Acid	100%			2022	\$1,600	5	\$400	
Fuel Storage								
Day Tank								
	50%			2049	**	5	\$1,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 2 Day Tanks Rated Capacity 275 Gallons Each.</i>								
Main Tank								
	50%			2062	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Underground</i>								
<i>Explanation : Main Tank Rated Capacity 3000 Gallons</i>								
Lighting								
Interior Lighting								
LED	100%			2035	**			
Egress Lighting								
Emergency, Service	45%			2035	**	1		
Emergency, Battery	5%			2035	**	10	\$100	
Exit, LED	50%			2062	**	1		

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-BROOKLYN
Asset # : 1994

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting

LED	20%			2035	**			
No Component	80%							

Alarm

Security System

No Component	40%							
Generic	60%			2035	**	1	\$2,400	

Other Observation, Extent : Moderate, Area Affected : 100%

Location : Hallways And Outside

Explanation : CCTV Surveillance Camera System

Fire/Smoke Detection

Generic, Digital	100%			2035	**	1-3	\$6,700	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Throughout The Building

Explanation : Strobe Lights, Manual Pull Stations, Alarm Bells, Smoke Detectors And Horns

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Fuel Oil No 2	100%			2057	**	5	\$3,400	
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Conversion Equipment

Hot Water Boiler	100%			2047	**	1	\$5,400	
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Recent Replace Evident, Extent : Light, Area Affected : 100%

Location : Basement Boiler Room

Distribution

Hot Wtr Piping/Pump	100%			2052	**	4	\$800	
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Terminal Devices

Air Handler	40%			2037	**	1	\$2,700	
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Convactor/Radiator	60%			2047	**	1	\$2,100	
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Air Conditioning

Energy Source

Electricity	100%			2049	**	1		
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Conversion Equipment

Centrifugal, Elec Chiller	100%			2042	**	1	\$11,700	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Backyard

Explanation : 1 Unit. R-410a

Distribution

CW & CHW Wtr Pipe/Pump	100%			2057	**	4	\$500	
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Terminal Devices

Air Handler/Cool/Ht	60%			2037	**	1	\$4,000	
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Fan Coil - 2 Pipe	40%			2037	**	1	\$1,400	
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-BROOKLYN
Asset # : 1994

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning	Heat Rejection							
	Evaporative Condenser	100%			2037	**	2	\$7,500
Ventilation	Distribution							
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,000
	Exhaust Fans							
	Interior	100%			2037	**	2	\$300
Plumbing	H/C Water Piping							
	Brass/Copper	100%			2057	**	1	
	HW Heat Exchanger							
	Steam Fired	100%			2057	**	4	\$1,100
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Backflow Preventer							
	Generic	100%			2037	**	1	\$700
	Fixtures							
	Generic	100%						
Fire Suppression	Sprinkler							
	Generic	100%			2057	**	1-2	\$3,000
	Chemical System							
	Dry	100%			2026	\$2,000	1-3	\$3,600
				<i>Dry System, Extent : Light, Area Affected : 100%</i>				
				<i>Location : 2 Sets (Fm-200) In Communication Room</i>				

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : COMMUNICATIONS CENTER-MANHATTAN
Address : 79TH STREET TRANSVERSE ROAD CENTRAL PARK
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0004.010 / 1993 **Yr Built/Renovated** : 1915 / 2012
Area Sq Ft : 6,381 **Project Type** : FIRE DEPARTMENT
Date of Survey : 11-May-2016 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1
Block : 1111 **Lot** : 1 **BIN** : 1083814

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$254,600	
Electrical	\$11,900	\$53,100
Total	\$266,500	\$53,100
Importance Code A	\$254,600	
Importance Code B	\$11,900	\$53,100
Total	\$266,500	\$53,100

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$30,100	\$1,700		
Interior Architecture	\$3,800	\$600		
Electrical	\$11,400	\$1,300	\$2,900	\$7,000
Mechanical	\$1,300	\$1,700	\$1,500	\$11,200
Total	\$46,700	\$5,300	\$4,300	\$18,300
Importance Code A	\$30,500	\$2,000	\$300	\$400
Importance Code B	\$16,200	\$3,300	\$4,000	\$17,900
Importance Code C				
Total	\$46,700	\$5,300	\$4,300	\$18,300



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-MANHATTAN
Asset # : 1993

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	30%	Now	\$115,100	LIFE	**	5	\$25,300	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 30%</i>								
<i>Location : All Facades</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 35%</i>								
<i>Location : Rear Facade</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Rear Facade</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Cornice Trim</i>								
Masonry: Brick	2%			LIFE	**	5	\$200	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Chimney</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Chimney</i>								
<i>Explanation : Stucco On Brick</i>								
Masonry: Granite	68%	0-2	\$94,800	LIFE	**	5	\$5,500	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Rear Facade</i>								
Windows								
Aluminum	90%			2049	**	5	\$2,400	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Metal Louvers	10%			2030	**	10	\$1,700	
Parapets								
Cast Stone/Terra Cotta	100%	Now	\$28,900	LIFE	**	5	\$26,300	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Sout East Corner</i>								
Roof								
Copper/Terne	90%			2042	**	10	\$40,200	
Copper/Terne	10%			2062	**	10	\$4,500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Roof Penetrations And Eastern Step Down Roof</i>								
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$8,400	
Ceramic Tile	10%			2040	**	5	\$1,000	
Vinyl Tile	10%			2035	**	3	\$400	
Under Construction	40%							
Interior Walls								
Concrete Masonry Unit	25%			LIFE	**	5	\$1,100	
Gypsum Board	10%			LIFE	**	5	\$700	
Masonry: Brick	15%			LIFE	**			
Plaster	10%			LIFE	**	5	\$300	
Under Construction	40%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-MANHATTAN
Asset # : 1993

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Interior

Ceilings

AcousTileSusp.Lay-In	10%			2044	**	5	\$1,000	
Exposed Concrete	50%	4+	\$3,400	LIFE	**	5	\$700	

Cracking/Crumbling, Extent : Light, Area Affected : 15%

Location : Basement

Under Construction	40%							
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2047	**	5	\$200	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Electrical Room

Explanation : 2- Main Service Disconnect Switches Rated @ 1200 Amperes And 700 Amperes

Transformers

Dry Type	100%			2025	\$17,200	5		
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Electrical Room

Explanation : 75kva, 208/120 Volts

Switchgear / Switchboard

Fused Disc Sw	60%			2027	\$53,100	5		
Molded Case Bkrs	40%			2047	**	5	\$100	

Raceway

Conduit	60%			2027	\$9,100	1		
Conduit	40%			2047	**	1		

Panelboards

Molded Case Bkrs	60%			2026	\$9,800	5	\$100	
Molded Case Bkrs	40%			2043	**	5	\$100	

Wiring

Thermoplastic	50%			2027	\$10,000	1		
Thermoplastic	50%			2047	**	1		

Motor Controllers

Locally Mounted	70%			2025	\$22,500	5		
Locally Mounted	30%			2040	**	5		

Ground

Grounding Devices

Generic	100%	2-4	\$10,400	LIFE	**	5	\$100	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Boiler Room

Explanation : Corroded

Stand-by Power

Transfer Switches

Automatic	100%			2040	**	1	\$2,000	
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FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-MANHATTAN
Asset # : 1993

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Generators								
Diesel	100%			2036	**	1	\$2,500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : 2 - 300 Kw Detroit Diesel Generators</i>								
Batteries								
Lead/Acid	100%			2021	\$1,600	5	\$200	
Fuel Storage								
Day Tank	50%			2043	**	5	\$600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : 275 Gallons Capacity</i>								
Underground Storage	50%			LIFE	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Underground</i>								
<i>Explanation : 5000 Gallons Rated Capacity</i>								
Lighting								
Interior Lighting								
Fluorescent	30%			2022	\$11,900	10	\$1,800	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-12 Lamps</i>								
Fluorescent	70%			2032	**	10	\$4,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Egress Lighting								
Emergency, Service	48%			2032	**	1		
Emergency, Battery	2%			2032	**	10		
Exit, LED	50%			2055	**	1		
Exterior Lighting								
LED	20%			2035	**			
No Component	80%							
Lightning Protection								
Arresters/Cabling								
Generic	100%			2030	**	5	\$200	
Alarm								
Security System								
Generic	100%			2027	\$21,100	1	\$2,400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : CCTV Surveillance System And Intrusion Alarm System</i>								
Fire/Smoke Detection								
Generic, Digital	100%			2035	**	1-3	\$3,900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Strobe Lights, Manual Pull Stations, Alarm Bells, Horns And Smoke Detectors</i>								

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FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-MANHATTAN
Asset # : 1993

Mechanical System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Heating							
Energy Source							
Electricity	10%			2037	**	1	
Fuel Oil No 2	90%			2037	**	5	\$1,800
Conversion Equipment							
Hot Water Boiler	90%			2044	**	1	\$2,800
		<i>Other Observation, Extent : Light, Area Affected : 90%</i>					
		<i>Location : Basement Boiler Room</i>					
		<i>Explanation : 2 Units</i>					
Radiant Heater	10%			2035	**	2	\$300
Distribution							
Hot Wtr Piping/Pump	90%			2049	**	4	\$300
No Component	10%						
Terminal Devices							
Convactor/Radiator	90%			2044	**	1	\$1,900
No Component	10%						
Air Conditioning							
Energy Source							
Electricity	100%			2043	**	1	
Conversion Equipment							
Centrifugal, Elec Chiller	30%			2036	**	1	\$2,100
		<i>R-22 Refrigerant, Extent : Light, Area Affected : 30%</i>					
		<i>Location : Back Yard</i>					
Split Unit	10%			2035	**		
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>					
		<i>Location : Back Yard</i>					
		<i>Explanation : 2 Units. R-410a</i>					
No Component	60%						
Distribution							
CW & CHW Wtr Pipe/Pump	30%			2047	**	4	\$100
No Component	70%						
Terminal Devices							
Fan Coil - 2 Pipe	40%			2035	**	1	\$800
No Component	60%						
Heat Rejection							
Air Cooled Condenser Unit	30%			2032	**	2	\$1,300
Dry Cooler	10%			2035	**	2	\$400
No Component	60%						
Ventilation							
Distribution							
Ductwork/Diffusers	30%			LIFE	**	2-5	\$1,100
		<i>Other Observation, Extent : Light, Area Affected : 30%</i>					
		<i>Location : Communication Equipment Room, Basement</i>					
		<i>Explanation : New Ductwork</i>					
No Component	70%						

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FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-MANHATTAN
Asset # : 1993

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
	Exhaust Fans							
	Roof	30%			2022	\$3,200	2	\$100
	No Component	70%						
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2047	**	1	
	Water Heater							
	Electric	100%			2022	\$5,700	4	
	Sanitary Piping							
	Cast Iron	50%			LIFE	**	1	
	Cast Iron	50%			LIFE	**	1	
	Sump Pump(s)							
	Non-Submersible	100%			2027	\$1,000	4	\$200
	Sewage Ejector(s)							
	Electric	100%			2032	**	4	\$400
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	Dry	100%			2026	\$2,000	1-3	\$3,600
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement Communication Room</i>					
			<i>Explanation : Fm-200</i>					

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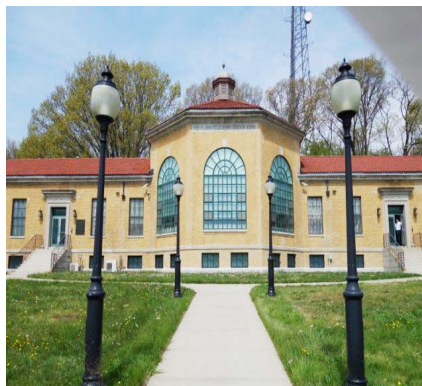
Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : COMMUNICATIONS CENTER-QUEENS
Address : 83-98 WOODHAVEN BOULEVARD @ PARK LANE SOUTH
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0006.010 / 1995 **Yr Built/Renovated** : 1925 / 2006
Area Sq Ft : 9,804 **Project Type** : FIRE DEPARTMENT
Date of Survey : 25-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1
Block : 3866 **Lot** : 70 **BIN** : 4439147

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$38,500	
Interior Architecture		\$537,800
Mechanical		\$214,700
Total	\$38,500	\$752,500
Importance Code A	\$38,500	
Importance Code B		\$214,700
Importance Code C		\$537,800
Total	\$38,500	\$752,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$29,000			\$700
Interior Architecture	\$4,400	\$5,800	\$5,900	
Electrical	\$1,600	\$1,800	\$3,300	\$10,300
Mechanical	\$3,500	\$3,900	\$3,400	\$5,700
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$42,500	\$15,500	\$16,600	\$20,600
Importance Code A	\$29,500	\$500	\$500	\$1,200
Importance Code B	\$11,800	\$15,100	\$15,700	\$19,400
Importance Code C	\$1,200		\$400	
Total	\$42,500	\$15,500	\$16,600	\$20,600



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FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-QUEENS
Asset # : 1995

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	85%			LIFE	**	5	\$20,400	
Masonry: Granite	3%			LIFE	**	5	\$500	
Masonry: Limestone	10%	Now	\$29,000	LIFE	**	5	\$1,800	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Cornices</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Cornices</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Drip Edges Under Window Sills</i>								
Metal Coiling Doors	2%			2032	**	5	\$1,500	
Windows								
Aluminum	10%			2043	**	5	\$400	
Aluminum	90%			2043	**	5	\$3,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Bullet Resistant Glass</i>								
Roof								
Clay Tile	95%	Now	\$38,500	2047	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Recent Repair Evident, Extent : Light, Area Affected : 20%</i>								
<i>Location : At Dome</i>								
Copper/Terne	5%			2055	**	10	\$4,900	
Interior								
Floors								
Carpet	30%			2026	\$52,500	3	\$6,200	
Cast in Place Concrete	20%	Now	\$1,400	LIFE	**	5	\$6,000	
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : East Facade - Boiler Room</i>								
Ceramic Tile	5%			2036	**	5	\$700	
Raised Access Floor	20%			2036	**	5	\$10,300	
Terrazzo	5%			LIFE	**	5	\$500	
Vinyl Tile	20%			2035	**	3	\$1,000	

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FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-QUEENS
Asset # : 1995

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Interior Walls

Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	5%			2036	**	5	\$900	
Fabric on Framing	20%			2028	\$537,800	5	\$1,800	
Gypsum Board	35%			LIFE	**	5	\$3,700	
Masonry: Brick	10%			LIFE	**			
Plaster	5%	Now	\$1,200	LIFE	**	5	\$300	

Cracking/Crumbling, Extent : Moderate, Area Affected : 5%

Location : Communication Room

Water Penetration, Extent : Moderate, Area Affected : 10%

Location : Communication Room - Leak Repaired At Roof But Interior Damage Not Resolved

Plaster	15%			LIFE	**	5	\$800	
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Ceilings

AcousTileSusp.Lay-In	50%			2040	**	5	\$6,900	
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Misaligned/Bulging, Extent : Light, Area Affected : 25%

Location : Various Locations

Exposed Concrete	20%			LIFE	**	5	\$400	
Gypsum Board	10%			LIFE	**	5	\$1,700	
Plaster	5%	Now	\$1,800	LIFE	**	5	\$400	

Cracking/Crumbling, Extent : Moderate, Area Affected : 5%

Location : Communication Room

Water Penetration, Extent : Moderate, Area Affected : 10%

Location : Communication Room - Leak Repaired At Roof But Interior Damage Not Resolved

Plaster	15%			LIFE	**	5	\$1,300	
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2047	**	5		
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Electrical Room

Explanation : Main Service Disconnect Switch Rated @ 2000 Amperes

Transformers

Dry Type	100%			2040	**	5		
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Electrical Room

Explanation : 225 Kva, 480/208/120 Volts

Switchgear / Switchboard

Fused Disc Sw	100%			2047	**	5		
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Raceway

Conduit	100%			2047	**	1		
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FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-QUEENS
Asset # : 1995

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Molded Case Bkrs	100%			2043	**	5	\$300	
Wiring								
Thermoplastic	100%			2047	**	1		
Motor Controllers								
Locally Mounted	100%			2040	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Water Meter Room</i>						
		<i>Explanation : Connected To Main Water Pipe.</i>						
Stand-by Power								
Transfer Switches								
Automatic	100%			2040	**	1	\$3,000	
Generators								
Diesel	50%			2036	**	1	\$1,900	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Generator Room</i>						
		<i>Explanation : 2 - 638 Kva Kohler Power System</i>						
Diesel	50%			2036	**	1	\$1,900	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside The Building</i>						
		<i>Explanation : 2 - 125 Kva</i>						
Batteries								
Lead/Acid	100%			2021	\$1,500	5	\$400	
Fuel Storage								
Day Tank	50%			2043	**	5	\$900	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 2-265 Gallons Rated Capacity</i>						
Underground Storage	50%			LIFE	**	5	\$300	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Underground</i>						
		<i>Explanation : 5000 Gallons Rated Capacity</i>						
Lighting								
Interior Lighting								
Fluorescent	70%			2032	**	10	\$5,900	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : T-8 Lamps</i>						
Fluorescent	30%			2032	**	10	\$2,500	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Corridors And Offices</i>						
		<i>Explanation : Compact Fluorescent Lamps</i>						

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FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-QUEENS
Asset # : 1995

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Egress Lighting								
Emergency, Service	50%			2032	**	1		
Emergency, Battery	10%			2032	**	10	\$200	
Exit, Service	40%			2032	**	1		
Exterior Lighting								
HID	20%			2032	**	10		
No Component	80%							

Alarm

Security System								
Generic	100%			2032	**	1	\$3,700	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Inside And Outside The Building</i>								
<i>Explanation : CCTV Surveillance System And Intrusion Alarm System</i>								
Fire/Smoke Detection								
Generic, Digital	100%			2032	**	1-3	\$6,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Strobe Lights, Manual Pull Stations, Alarm Bells, Smoke Detectors, Horns</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source								
Fuel Oil No 2	100%			2037	**	5	\$2,800	
Conversion Equipment								
Hot Water Boiler	100%			2032	**	1	\$4,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2043	**	4	\$700	
Terminal Devices								
Air Handler	55%			2027		1	\$3,100	
Convactor/Radiator	20%			2040	**	1	\$600	
Fan Coil Unit/Heat	25%			2027		1	\$700	

Air Conditioning

Energy Source								
Electricity	100%			2043	**	1		

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FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-QUEENS
Asset # : 1995

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Centrifugal, Elec Chiller	85%			2030	**	1	\$8,400
			<i>R-22 Refrigerant, Extent : Light, Area Affected : 85%</i>					
			<i>Location : Chiller, Side Yard</i>					
	Interior Pkg Unit - Cooling	15%			2028	\$48,100	2	\$100
			<i>R-22 Refrigerant, Extent : Light, Area Affected : 15%</i>					
			<i>Location : 4 Units, Communication Room</i>					
Distribution								
	CW & CHW Wtr Pipe/Pump	85%			2047	**	4	\$600
	No Component	15%						
Terminal Devices								
	Air Handler/Cool/Ht	35%			2027	\$33,700	1	\$2,000
	Fan Coil - 4 Pipe	50%			2027	\$100,400	1	\$1,500
	No Component	15%						
Heat Rejection								
	Air Cooled Condenser Unit	85%			2032	**	2	\$5,400
	Dry Cooler	15%			2032	**	2	\$1,000
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,100
Exhaust Fans								
	Interior	100%			2032	**	2	\$300
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2047	**	1	
Water Heater								
	Oil Fired	100%			2025	\$7,100	1	\$300
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 Units</i>					
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Fixtures								
	Generic	100%						
Vertical Transport								
Elevators								
	Hydraulic	100%			LIFE	**		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : B-1</i>					
			<i>Explanation : 1 Unit</i>					
Fire Suppression								

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FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-QUEENS
Asset # : 1995

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Fire Suppression	Sprinkler							
	Generic	100%			2047	* *	1-2	\$2,600
	Chemical System							
	Generic	100%			2025	\$1,900	1-3	\$4,000
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1 Wet Set In Kitchen, 2 Dry Sets (Fm-200) In Communication Room</i>								
<i>Explanation : 3 Sets</i>								

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS 22 AND FDNY FLEET SERVICES, BUILDING 50 -INTEGRATED FACILITY
Address : SEAVIEW HOSPITAL 460 BRIELLE AVE.
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSEMS.022 / 14007 **Yr Built/Renovated** : 1999 /
Area Sq Ft : 10,515 **Project Type** : FIRE DEPARTMENT
Date of Survey : 20-Dec-2016 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Roof, Floors 1
Block : 955 **Lot** : 1 **BIN** : 5113197

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$143,300	
Interior Architecture	\$197,300	
Mechanical		\$134,500
Site Pavements	\$65,500	
Total	\$406,200	\$134,500
Importance Code A	\$143,300	
Importance Code B	\$197,300	\$134,500
Importance Code C	\$65,500	
Total	\$406,200	\$134,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$48,000			
Interior Architecture	\$4,700		\$2,100	\$700
Electrical	\$1,800	\$1,300	\$1,700	\$3,000
Mechanical	\$8,200	\$1,200	\$5,300	\$1,200
Site Enclosure	\$24,800			
Site Pavements	\$12,900			
Total	\$100,400	\$2,500	\$9,000	\$4,900
Importance Code A	\$48,500	\$500	\$500	\$500
Importance Code B	\$29,100	\$2,000	\$8,500	\$3,600
Importance Code C	\$22,800			\$700
Total	\$100,400	\$2,500	\$9,000	\$4,900



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FIRE DEPARTMENT - 057
EMS 22 AND FDNY FLEET SERVICES, BUILDING 50 -INTEGRATED FACILITY
Asset # : 14007

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast in Place Concrete	10%	Now	\$42,300	LIFE	**	5	\$17,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Column Supports At Covered Walkway</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Column Supports At Covered Walkway</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Column Supports At Covered Walkway</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Column Supports At Covered Walkway</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 20%</i>								
<i>Location : FDNY Garage - Perimeter Walls</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Base Of Building</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building 50 - Integrated Facility</i>								
<i>Explanation : EMS Station / FDNY Garage Contained Within Larger Seaview Hospital Building That Includes Asset #13433</i>								
Masonry: Brick Cavity	29%			LIFE	**	5	\$19,900	
Metal, Corrugated	20%			2048	**	1		
Metal Panel	20%	0-2	\$10,800	2048	**	5	\$12,900	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Bulkhead Stair And Rooftop Mechanical Enclosure - EMS Roof</i>								
Metal Sect. OHD	10%	4+	\$2,300	2041	**	5	\$5,400	
<i>Corrosion/Rusting, Extent : Light, Area Affected : 15%</i>								
<i>Location : FDNY Garage Doors - At Frames</i>								
Pre-Cast Concrete	5%			LIFE	**	5	\$11,200	
Weathering Steel	5%	Now	\$12,600	LIFE	**	1		
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Scuppers At Roof</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Column Supports At Covered Walkway</i>								
<i>Explanation : Corrosion / Rusting</i>								
Window Wall	1%			2048	**	5	\$1,300	
Windows								
Aluminum	100%			2044	**	5	\$1,300	
Parapets								
Metal Rail	3%	2-4		2041	**	5	\$100	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Railing Atop Bulkhead Stair</i>								
Pre-Cast Concrete	57%			LIFE	**	5	\$4,900	
No Component	10%							
Not Accessible	30%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Rooftop Of Fdny Maintenance Garage</i>								
<i>Explanation : No Access</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS 22 AND FDNY FLEET SERVICES, BUILDING 50 -INTEGRATED FACILITY
Asset # : 14007

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Single Ply Membrane	70%	0-2	\$101,000	2038		**		1
<i>Blisters, Extent : Moderate, Area Affected : 30%</i> <i>Location : EMS - Main Roof</i> <i>Drains Clogged, Extent : Moderate, Area Affected : 15%</i> <i>Location : EMS Main Roof - From Accumulated Residue On Roof Surface</i> <i>Drains Inad/Misposn, Extent : Moderate, Area Affected : 40%</i> <i>Location : EMS Main Roof And Walkway Roof</i> <i>Ponding, Extent : Severe, Area Affected : 35%</i> <i>Location : All Roofs</i> <i>Scupper Non-Func/Miss, Extent : Moderate, Area Affected : 10%</i> <i>Location : Covered Walkway (East Side) And West Wall (EMS)</i> <i>Vegetation Growth, Extent : Moderate, Area Affected : 35%</i> <i>Location : Surrounding Rooftop Mechanical Equipment</i> <i>Walk Pads Miss/Displ, Extent : Moderate, Area Affected : 15%</i> <i>Location : Existing Walk Pads Very Slippery - EMS Roof</i> <i>Water Penetration, Extent : Severe, Area Affected : 10%</i> <i>Location : Above EMS Wheelchair Lift Shaftway And At Roof Penetration For Nederman Exhaust In Apparatus Floor</i> <i>Other Observation, Extent : Moderate, Area Affected : 25%</i> <i>Location : EMS Main Roof</i> <i>Explanation : Soft Spots Evident When Walking On Surface</i>								
Not Accessible	30%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i> <i>Location : Rooftop Of Fdny Maintenance Garage</i> <i>Explanation : No Access</i>								
Soffits								
Metal Panel	100%	Now	\$3,600	2048		**	5	\$8,500
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i> <i>Location : Underside Perimeter Of Covered Walkway</i> <i>Water Penetration, Extent : Moderate, Area Affected : 15%</i> <i>Location : Underside Perimeter Of Covered Walkway</i>								

Interior

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FIRE DEPARTMENT - 057
EMS 22 AND FDNY FLEET SERVICES, BUILDING 50 -INTEGRATED FACILITY
Asset # : 14007

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	70%	Now	\$125,000	LIFE	**	5	\$24,100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Fdny Apparatus Floor</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Fdny Apparatus Floor</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Repair Failure - Ems Apparatus Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 30%</i>								
<i>Location : EMS Apparatus Floor - Wash Bay Area And Fdny Apparatus Floor</i>								
<i>Explanation : Surface Becomes A Slip Hazard When Condensation Or Water Is Present</i>								
Ceramic Tile	5%	0-2	\$800	2037	**	5	\$400	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Locker Rooms</i>								
Vinyl Tile	25%			2033	**	3	\$1,500	
Interior Walls								
Ceramic Tile	10%			2037	**	5	\$1,400	
Concrete Masonry Unit	30%			LIFE	**	5	\$3,400	
Gypsum Board	60%	Now	\$800	LIFE	**	5	\$5,200	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Hallwy Corridor Between Offices And Apparatus Floor</i>								
Ceilings								
AcousTileSusp.Lay-In	20%			2041	**	5	\$3,100	
Exposed Struc: Steel	40%	0-2	\$72,300	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : At Roof Penetrations Within Ems And FDNY Apparatus Floors</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Components Are Decking And Steel Beams</i>								
Gypsum Board	40%	4+	\$1,400	LIFE	**	5	\$7,900	
<i>Water Penetration, Extent : Light, Area Affected : 15%</i>								
<i>Location : Locker Rooms</i>								
Site Enclosure								
Free Standing Walls								
Cast in Place Concrete	100%	Now	\$7,500	2048	**			
<i>Exposed Reinforcement, Extent : Light, Area Affected : 30%</i>								
<i>Location : Parking Lot Walls</i>								
<i>Spalling, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Parking Lot Walls</i>								

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FIRE DEPARTMENT - 057
EMS 22 AND FDNY FLEET SERVICES, BUILDING 50 -INTEGRATED FACILITY
Asset # : 14007

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Site Enclosure								
Retaining Walls								
Masonry: Brick	100%	Now	\$17,400	2038		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : East Side Planter Adjacent To EMS Entrance</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Side Planter Adjacent To EMS Entrance</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Evident On Exterior Wall Of EMS Planter Bed</i>								
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	70%	4+	\$12,900	2033		**		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Curbs In Parking Area</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Entry Aprons For All Overhead Doors</i>								
Pavers/Stone	30%			2037		**		
Parking/Driveway								
Asphalt	100%	Now	\$65,500	2037		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations - Driveway And Parking Lot</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2048		**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated @ 1200 Amperes</i>								
Transformers								
Liquid Filled	100%			2033		**	5	\$100
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : No Available Nameplate Ratings</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2048		**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : 2 - Vertical Sections</i>								
Raceway								
Conduit	100%			2048		**	1	
Panelboards								
Fused Disc Sw	5%			2044		**	5	
Molded Case Bkrs	95%			2044		**	5	\$300

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FIRE DEPARTMENT - 057
EMS 22 AND FDNY FLEET SERVICES, BUILDING 50 -INTEGRATED FACILITY
Asset # : 14007

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Wiring								
	Thermoplastic	100%			2048	**	1	
Motor Controllers								
	Locally Mounted	50%			2041	**	5	
	Locally Mounted	50%			2033	**	5	
Ground								
Grounding Devices								
	Not Accessible	100%						
Stand-by Power								
Transfer Switches								
	Automatic	100%			2041	**	1	\$3,200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : 3 - Automatic Transfer Switches No Available Nameplate Ratings</i>								
Generators								
	Diesel	100%			2037	**	1	\$4,100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside Of The Building</i>								
<i>Explanation : Emergency Generator Rated @ 80kw</i>								
Batteries								
	Lead/Acid	100%			2022	\$1,600	5	\$400
Fuel Storage								
	Main Tank	100%			2056	**	5	\$300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 275 Gallons Rated Capacity</i>								
Lighting								
Interior Lighting								
	Fluorescent	85%			2033	**	10	\$8,200
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
	Fluorescent	10%			2033	**	10	\$1,000
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Lobby</i>								
	Fluorescent	2%			2023	\$600	10	\$200
<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Boiler Rooms</i>								
	HID	3%			2033	**	10	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : FDNY Repair Shops</i>								
<i>Explanation : 9 - HID Light Fixtures</i>								
Egress Lighting								
	Emergency, Service	50%			2033	**	1	
	Exit, Service	50%			2033	**	1	

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FIRE DEPARTMENT - 057
EMS 22 AND FDNY FLEET SERVICES, BUILDING 50 -INTEGRATED FACILITY
Asset # : 14007

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Exterior Lighting Fluorescent	80%			2028	\$29,400	10	\$800	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 20 Compact Fluorescent Lights.</i>								
HID	20%			2028	\$8,700	10		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 5 - HID Light Fixtures</i>								
Alarm								
Fire/Smoke Detection Generic, Digital	100%			2033	**	1-3	\$6,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : EMS 22 Only</i>								
<i>Explanation : Smoke Detectors, Manual Pull Stations, Alarm Bells And Horns</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2048	**	1		
Conversion Equipment Furnace	50%			2033	**	1	\$2,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof, EMS And Fire Department Garages</i>								
<i>Explanation : 2 Packaged Rooftop Units With Gas Heat And 5 Gas Fired Space Heaters</i>								
Hot Water Boiler	50%			2041	**	1	\$2,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : EMS And Fire Department Boiler Rooms</i>								
<i>Explanation : 4 Gas Fired Hot Water Boilers</i>								
Distribution Hot Wtr Piping/Pump	100%	Now	\$300	2044	**	4	\$500	
<i>Insul. Deteriorating, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Terminal Devices Convactor/Radiator	100%			2041	**	1	\$3,400	
Air Conditioning								
Energy Source Electricity	100%			2044	**	1		
Conversion Equipment Ext Pkg Unit - Heating/Cooling	100%			2028	\$134,500	2	\$600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Package Rooftop Units</i>								

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FIRE DEPARTMENT - 057
EMS 22 AND FDNY FLEET SERVICES, BUILDING 50 -INTEGRATED FACILITY
Asset # : 14007

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning	Distribution							
	Ductwork/Diffusers	100%			LIFE	**	2	\$17,100
Ventilation	Distribution							
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$9,300
	Exhaust Fans							
	Roof	100%			2033	**	2	\$300
Plumbing	H/C Water Piping							
	Brass/Copper	100%			2054	**	1	
	Water Heater							
	Gas Fired	100%			2026	\$6,600	2	\$200
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : 2nd Floor</i>				
				<i>Explanation : 1 - 250 Gallon Unit</i>				
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Backflow Preventer							
	Generic	100%			2033	**	1	\$600
	Fixtures							
	Generic	100%						
Vertical Transport	Elevators							
	Geared Traction	100%			LIFE	**		
Fire Suppression	Sprinkler							
	No Component	75%						
	Generic	25%			2048	**	1-2	\$700

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS BATTALION 40
Address : 5011 7th AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.278 / 13164 **Yr Built/Renovated** : 1912 /
Area Sq Ft : 5,478 **Project Type** : FIRE DEPARTMENT
Date of Survey : 12-Jun-2015 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 794 **Lot** : 5 **BIN** : 3013389

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$56,800	
Interior Architecture		\$44,300
Electrical		\$38,500
Total	\$56,800	\$82,800
Importance Code A	\$56,800	
Importance Code B		\$82,800
Total	\$56,800	\$82,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$14,100		\$21,900	
Interior Architecture	\$42,400	\$1,000		
Electrical	\$1,900	\$100	\$100	
Mechanical	\$1,100	\$1,100	\$4,900	\$1,000
Total	\$59,500	\$2,200	\$26,900	\$1,000
Importance Code A	\$14,700	\$500	\$22,500	\$500
Importance Code B	\$36,200	\$1,300	\$4,400	\$500
Importance Code C	\$8,700	\$300		
Total	\$59,500	\$2,200	\$26,900	\$1,000



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS BATTALION 40
Asset # : 13164

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	65%	Now	\$56,800	LIFE	**	5	\$18,900	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : South Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Mortar Eroded Throughout Basement.</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : South Facade</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : South Facade</i>								
Masonry: Granite	5%			LIFE	**	5	\$1,100	
Masonry: Limestone	15%			LIFE	**	5	\$3,300	
Wood Overhead Doors	15%			2031	**	5	\$21,800	
Windows								
Aluminum	100%	Now	\$11,400	2042	**	5	\$700	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Various Lintel Locations Throughout Building.</i>								
<i>Glazing Broken/Cracked, Extent : Light, Area Affected : 2%</i>								
<i>Location : South Elevation Third Story.</i>								
Parapets								
Masonry: Brick	75%			LIFE	**	5	\$1,800	
Masonry: Sandstone	5%	Now	\$2,100	LIFE	**	5	\$200	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Coping At Front Facade</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Coping At Front Façade</i>								
Metal Panel	10%	Now	\$400	2036	**	5	\$500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 15%</i>								
<i>Location : Missing Coping Enclosure Over Front Facade.</i>								
Stucco Cement	10%			2039	**	5	\$600	
Roof								
Built-Up (BUR)	100%			2031	**	10	\$11,000	
Interior								
Floors								
Cast in Place Concrete	35%	Now	\$6,900	LIFE	**	5	\$7,300	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 85%</i>								
<i>Location : Throughout Basement Area.</i>								
Ceramic Tile	5%	Now	\$200	2035	**	5	\$200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Bathroom</i>								
Quarry Tile	5%			2039	**	5	\$700	
Vinyl Tile	55%			2026	\$44,300	3	\$2,000	

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS BATTALION 40
Asset # : 13164

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Interior

Interior Walls

Ceramic Tile	5%			2035	**	5	\$700	
Gypsum Board	20%			LIFE	**	5	\$1,600	
Masonry: Brick	15%	Now	\$7,600	LIFE	**			

Water Penetration, Extent : Severe, Area Affected : 25%

Location : Basement Under Hatchway

Plaster	50%	4+	\$1,000	LIFE	**	5	\$2,000	
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Water Penetration, Extent : Light, Area Affected : 5%

Location : 2nd Floor Bathroom

Wood	10%			LIFE	**	5	\$5,200	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : 2nd Floor Locker Room Area

Explanation : Wood Paneling Finish

Ceilings

AcousTileSusp.Lay-In	53%			2039	**	5	\$5,000	
Exposed Concrete	13%	Now	\$23,800	LIFE	**	5	\$200	

Broken/Missing Elements, Extent : Moderate, Area Affected : 30%

Location : Throughout Basement Ceiling.

Exposed Reinforcement, Extent : Moderate, Area Affected : 30%

Location : Throughout Basement Ceiling. Shoring Has Been Installed To Aid In Supporting The Truck Floor Above.

Water Penetration, Extent : Severe, Area Affected : 40%

Location : Holes In The Metal Access Sidewalk Hatch Allow Storm Water To Flow Freely Into The Basement.

Plaster	34%			LIFE	**	5	\$2,000	
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2056	**	5	\$100	
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Recent Installation, Extent : Light, Area Affected : 100%

Location : Basement

Switchgear / Switchboard

Molded Case Bkrs	100%			2056	**	5	\$100	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : 350 Amperes Main Circuit Breaker

Raceway

Conduit	100%			2026			\$31,300	1
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Panelboards

Molded Case Bkrs	100%			2025			\$38,500	5
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Wiring

Thermoplastic	100%			2026			\$27,700	1
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Ground

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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FIRE DEPARTMENT - 057
EMS BATTALION 40
Asset # : 13164

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Ground

Grounding Devices
Generic

100%	Now	\$1,900	LIFE	**	5	\$100		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Ground Is Disconnected From The Water Pipe</i>								

Lighting

Interior Lighting
Fluorescent

100%			2026	\$14,800	10	\$5,000	
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Exterior Lighting
HID

100%			2026	\$20,700	10		
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Mechanical

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source
Natural Gas

100%			2046	**	1		
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Conversion Equipment
Steam Boiler

100%			2039	**	1	\$5,400	
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Distribution

Central Plant Steam
Piping/Pmp

100%			2036	**	4	\$400	
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Terminal Devices

Convactor/Radiator

100%			2031	**	1	\$1,800	
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Air Conditioning

Energy Source
Electricity

100%			2042	**	1		
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Conversion Equipment

Split Unit

10%			2031	**			
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Window/Wall Unit

80%			2024	\$8,500	1		
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No Component

10%							
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Ventilation

Distribution

Ductwork/Diffusers

100%			LIFE	**	2-5	\$3,100	
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Exhaust Fans

Roof

50%			2031	**	2	\$100	
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Wall Unit

50%			2031	**	2	\$100	
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Plumbing

H/C Water Piping
Brass/Copper

100%			2046	**	1			
<i>No Water Meter, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								

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FIRE DEPARTMENT - 057
EMS BATTALION 40
Asset # : 13164

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Water Heater Gas Fired	100%			2021	\$3,100	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 75 Gallons</i>								
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Sump Pump(s) Non-Submersible	100%			2031	**	4	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Duplex Unit</i>								
Fixtures								
	Generic	100%						
<i>Leaking Faucets/Valves/Heads, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bathroom 2nd Floor</i>								
Fire Suppression								
	Chemical System Generic	100%			2024	\$1,900	1-3	\$3,700

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS BUILDING BATTALION 4
Address : PIERS 35 AND 36, EAST RIVER 271 MARGINAL STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : DGSP005.000 / 2405 **Yr Built/Renovated** : 1963 / 2000
Area Sq Ft : 12,322 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Jun-2014 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2,3
Block : 241 **Lot** : 13 **BIN** : 1079601

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$499,600	\$137,600
Interior Architecture		\$31,800
Electrical		\$77,300
Total	\$499,600	\$246,700
Importance Code A	\$499,600	\$137,600
Importance Code B		\$109,100
Total	\$499,600	\$246,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$28,700		\$1,200	
Interior Architecture	\$900	\$2,600		\$500
Electrical	\$3,000	\$13,600	\$1,200	\$1,100
Mechanical	\$2,800	\$17,000	\$3,600	\$2,100
Total	\$35,400	\$33,200	\$6,100	\$3,700
Importance Code A	\$29,900	\$1,200	\$2,400	\$1,200
Importance Code B	\$5,500	\$32,000	\$3,700	\$2,500
Importance Code C				
Total	\$35,400	\$33,200	\$6,100	\$3,700



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FIRE DEPARTMENT - 057
EMS BUILDING BATTALION 4
Asset # : 2405

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast in Place Concrete	5%	Now	\$14,000	LIFE	**	5	\$6,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Around Ledge Below Parapets</i>								
Masonry: Brick Cavity	70%			LIFE	**	5	\$17,400	
Metal Panel	5%	Now	\$1,800	2035	**	5	\$2,300	
<i>Deformed/Dented, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : East Stairway</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : East Stairway</i>								
Metal Coiling Doors	10%			2038	**	5	\$7,800	
Pre-Cast Concrete	10%			LIFE	**	5	\$8,100	
Windows								
Aluminum	20%			2041	**	5	\$2,400	
Steel	80%	Now	\$499,600	2050	**	5	\$59,900	
<i>Air Infiltration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Pre-Cast Concrete	100%			LIFE	**	5	\$17,700	
Roof								
Built-Up (BUR)	92%			2033	**	10	\$16,200	
Modified Bitumen	5%	Now	\$5,100	2035	**			
<i>Blisters, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over East Staieway</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over East Stairway</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Over East Stairway</i>								
Skylight, Metal/Glass	3%	Now	\$7,800	2025	\$77,800			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over Stair</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Stair</i>								
Interior								
Floors								
Cast in Place Concrete	65%			LIFE	**	5	\$26,600	
Ceramic Tile	5%			2034	**	5	\$900	
Vinyl Tile	20%			2025	\$31,800	3	\$1,900	
Vinyl Tile	10%			2035	**	3	\$700	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								

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FIRE DEPARTMENT - 057
EMS BUILDING BATTALION 4
Asset # : 2405

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Interior

Interior Walls

Concrete Masonry Unit	75%			LIFE	**	5	\$5,100	
Gypsum Board	20%			LIFE	**	5	\$2,000	
Masonry: Brick	5%			LIFE	**			

Ceilings

AcousTileSusp.Lay-In	25%			2030	**	5	\$4,700	
Exposed Concrete	70%			LIFE	**	5	\$2,100	
Metal Panel	5%			LIFE	**	5	\$1,200	

Water Penetration, Extent : Moderate, Area Affected : 10%

Location : East Stairway

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	50%			2025	\$2,400	5		
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Electrical Room

Explanation : Main Service Switch Rated @ 3000 Amperes

Fused Disc Sw	50%			2045	**	5		
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Electrical Room

Explanation : Main Service Switch Rated @ 3000 Amperes

Transformers

Dry Type	100%			2038	**	5		
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Electrical Room

Explanation : 2- 1000 Kva, 480/277/208 V

Switchgear / Switchboard

Fused Disc Sw	100%			2045	**	5	\$100	
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Raceway

Conduit	80%			2025	\$25,000	1		
Conduit	20%			2045	**	1		

Panelboards

Molded Case Bkrs	80%			2024	\$30,800	5	\$300	
Molded Case Bkrs	20%			2041	**	5	\$100	

Wiring

Thermoplastic	80%			2025	\$22,200	1		
Thermoplastic	20%			2045	**	1		

Motor Controllers

Locally Mounted	70%			2023	\$10,100	5	\$100	
Locally Mounted	30%			2038	**	5		

Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$200	
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS BUILDING BATTALION 4
Asset # : 2405

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Transfer Switches								
Automatic	100%			2038	**	1	\$3,800	
Generators								
Diesel	100%			2034	**	1	\$4,800	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside The Building</i>						
		<i>Explanation : Emergency Generator Rated @ 80 Kva</i>						
Batteries								
Lead/Acid	100%			2019	\$1,500	5	\$500	
Fuel Storage								
Main Tank	100%			2053	**	5	\$400	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 75 Gallon Capacity</i>						
Lighting								
Interior Lighting								
Fluorescent	95%			2030	**	10	\$10,900	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
HID	5%			2025	\$600	10		
Egress Lighting								
Emergency, Battery	50%			2030	**	10	\$1,500	
Exit, Service	50%			2030	**	1		
Exterior Lighting								
HID	100%			2025	\$46,500	10		
Alarm								
Security System								
No Component	90%							
Generic	10%			2030	**	1	\$500	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Front And Back Only</i>						
		<i>Explanation : C C T V Surveillance Cameras</i>						
Fire/Smoke Detection								
No Component	70%							
Generic, Digital	30%			2030	**	1-3	\$2,300	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Hallways</i>						
		<i>Explanation : Alarm Bells, Manual Pull Stations And Strobe Lights</i>						
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2035	**	1		

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FIRE DEPARTMENT - 057
EMS BUILDING BATTALION 4
Asset # : 2405

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Conversion Equipment								
Furnace	10%			2025	\$2,800	1	\$600	
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 1 Package Unit</i>						
Steam Boiler	90%			2042	**	1	\$11,200	
		<i>Other Observation, Extent : Light, Area Affected : 90%</i>						
		<i>Location : 1st Floor Boiler Room</i>						
		<i>Explanation : 1 Unit</i>						
Distribution								
Central Plant Steam Piping/Pmp	90%			2035	**	4	\$800	
No Component	10%							
Terminal Devices								
Convactor/Radiator	50%			2023	\$19,900	1	\$2,000	
Unit Heater - Steam	30%			2033	**	4	\$300	
Unit Heater - Steam	10%			2020	\$1,000	4	\$200	
No Component	10%							
Air Conditioning								
Energy Source								
Electricity	100%			2033	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	20%			2025	\$29,300	2	\$200	
		<i>R-22 Refrigerant, Extent : Light, Area Affected : 20%</i>						
		<i>Location : Roof</i>						
Window/Wall Unit	40%			2020	\$9,800	1		
No Component	40%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : 2nd Floor Electrical Room</i>						
		<i>Explanation : There Is No Ventilation For Electrical Room</i>						
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$7,000	
Exhaust Fans								
Roof	100%			2025	\$19,400	2	\$400	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2035	**	1		
Water Heater								
Gas Fired	100%			2023	\$7,100	2	\$200	
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS BUILDING BATTALION 4
Asset # : 2405

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Standpipe							
	Generic	100%			2035	* *	1-5	\$6,300
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Outside Wall</i>					
			<i>Explanation : Combination Connection</i>					
	Sprinkler							
	Generic	100%			2035	* *	1-2	\$3,500
	Chemical System							
	Generic	100%			2020	\$1,900	1-3	\$3,700

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 10 YORKVILLE STATION
Address : 1918 1ST AVE.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSEMS.010 / 13984 **Yr Built/Renovated** :
Area Sq Ft : 2,900 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Jun-2015 **Landmark Status** : NONE
Areas Surveyed : Floors 1
Block : 1691 **Lot** : 1 **BIN** : 1052997

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$5,100			
Interior Architecture	\$15,200	\$900		\$2,000
Electrical	\$3,100	\$100	\$100	\$100
Mechanical	\$700	\$400	\$1,000	\$400
Site Enclosure	\$3,100			
Site Pavements	\$20,500			
Total	\$47,700	\$1,400	\$1,100	\$2,500
Importance Code A	\$5,100			
Importance Code B	\$17,800	\$500	\$1,100	\$2,500
Importance Code C	\$24,800	\$900		
Total	\$47,700	\$1,400	\$1,100	\$2,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 10 YORKVILLE STATION
Asset # : 13984

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	100%			LIFE	**	5	\$24,300	
<i>Repairs in Progress, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Scaffolding In Place</i>								
Windows								
Aluminum	100%	Now	\$5,100	2042	**	5	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations Throughout</i>								
Roof								
Not Accessible	100%							
Interior								
Floors								
Quarry Tile	10%			2039	**	5	\$2,700	
<i>Worn/Eroded, Extent : Light, Area Affected : 10%</i>								
<i>Location : Storage Room</i>								
Vinyl Tile	90%	Now	\$6,900	2031	**	3	\$6,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	10%			2035	**	5	\$1,900	
Gypsum Board	80%	0-2	\$1,200	LIFE	**	5	\$9,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Corridor, Office</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Corridor</i>								
<i>Recent Repair Evident, Extent : Light, Area Affected : 10%</i>								
<i>Location : Corridor</i>								
SGFT/Glazed Masonry	10%			LIFE	**			
Ceilings								
Metal Panel	10%	Now	\$1,500	LIFE	**	5	\$2,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Storage Room</i>								
Plaster	90%	0-2	\$4,200	LIFE	**	5	\$10,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Toilets And Locker Rooms</i>								
<i>Recent Repair Evident, Extent : Light, Area Affected : 5%</i>								
<i>Location : Corridor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 10 YORKVILLE STATION
Asset # : 13984

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Enclosure

Fence/Gates

Chain link

100%	0-2	\$3,100	2046	**		
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*Corrosion/Rusting, Extent : Moderate, Area Affected : 90%**Location : Around Parking Lot**Impact Damage, Extent : Moderate, Area Affected : 15%**Location : East Side*

Site Pavements

On-Site Walkways

Cast in Place Concrete

100%	0-2	\$1,600	2039	**		
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 25%**Location : At Entrance*

Parking/Driveway

Asphalt

100%	Now	\$18,900	2035	**		
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 75%**Location : Various Locations**Ponding, Extent : Moderate, Area Affected : 15%**Location : Various Locations**Potholes, Extent : Severe, Area Affected : 15%**Location : Various Locations*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Raceway

Conduit

100%			2036	**	1	
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Panelboards

Molded Case Bkrs

100%			2034	**	5	\$100
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Wiring

Thermoplastic

100%			2036	**	1	
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Motor Controllers

Locally Mounted

100%			2031	**	5	
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Stand-by Power

Transfer Switches

Automatic

100%			2031	**	1	\$900
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*Other Observation, Extent : Light, Area Affected : 100%**Location : 1st Floor**Explanation : For Portable Generator*

Lighting

Interior Lighting

Fluorescent

100%			2026	\$7,900	10	\$2,700
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*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%**Location : Throughout*

Egress Lighting

Emergency, Battery

50%			2026	\$2,000	10	\$400
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Exit, LED

50%			2041	**	1	
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 10 YORKVILLE STATION
Asset # : 13984

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting

HID	50%			2026	\$5,500	10		
No Component	50%							

Alarm

Fire/Smoke Detection

No Component	90%							
Generic, Analog	10%	0-2	\$3,000	2036	**	1-3	\$200	

Local/Battery Operated Detect, Extent : Light, Area Affected : 100%

Location : Throughout

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Electricity	30%			2046	**	1		
HTHW/HW	70%			2046	**	1		

Other Observation, Extent : Light, Area Affected : 100%

Location : Adjacent Space

Explanation : Hot Water Is Provided By The Adjacent Space - Central Plant Of Hospital

Distribution

Ductwork/Diffusers	100%			LIFE	**	2-5	\$1,600	
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Other Observation, Extent : Light, Area Affected : 100%

Location : 1st Floor

Explanation : Heating And Cooling Is Through Ductwork

Terminal Devices

Convactor/Radiator	100%			2039	**	1	\$900	
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Air Conditioning

Energy Source

Electricity	100%			2048	**	1		
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Terminal Devices

Air Handler/Cool/Ht	100%			2031	**	1	\$1,800	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Duct

Explanation : Electric Reheat Coils

Heat Rejection

Dry Cooler	100%			2031	**	2	\$2,000	
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Ventilation

Distribution

Ductwork/Diffusers	15%			LIFE	**	2-5	\$200	
No Component	85%							

Exhaust Fans

No Component	85%							
Not Accessible	15%							

Plumbing

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 10 YORKVILLE STATION
Asset # : 13984

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	H/C Water Piping Brass/Copper	100%			2046	* *	1	
	Sanitary Piping Cast Iron	100%			LIFE	* *	1	
	Fixtures Generic	100%						
Fire Suppression								
	Sprinkler Generic	100%			2046	* *	1-2	\$800

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 14 SOUTH BRONX STATION
Address : LINCOLN HOSPITAL 234 EAST 149TH STREET
Borough : BRONX Agency's Number : N/A
Program / Asset # : FIRSEMS.014 / 13986 Yr Built/Renovated : 1976 / 2012
Area Sq Ft : 3,500 Project Type : FIRE DEPARTMENT
Date of Survey : 08-Mar-2013 Landmark Status : NONE
Areas Surveyed : Floors 1
Block : 2335 Lot : 16 BIN : 2097050

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Mechanical		\$61,200
Total		\$61,200
Importance Code B		\$61,200
Total		\$61,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$2,800	\$600		
Interior Architecture	\$17,400			\$300
Electrical	\$12,800			
Mechanical	\$3,700	\$100	\$1,300	\$200
Total	\$36,700	\$700	\$1,400	\$500
Importance Code A	\$2,800	\$600		
Importance Code B	\$33,700	\$100	\$1,400	\$500
Importance Code C	\$200			
Total	\$36,700	\$700	\$1,400	\$500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 14 SOUTH BRONX STATION
Asset # : 13986

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	90%			LIFE	**	5	\$21,900	
Metal Coiling Doors	10%	Now	\$2,800	2029	**	5	\$3,800	
<i>Bent/Warped Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Front Side</i>								
Windows								
Aluminum	100%			2040	**	5	\$1,200	
Interior								
Floors								
Cast in Place Concrete	30%			LIFE	**	5	\$11,800	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2039	**	5	\$900	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Sheet Vinyl/Rubber Vinyl Tile	50%			2034	**	5	\$13,500	
	15%	Now	\$9,200	2024	\$22,900	3	\$1,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Rest Area</i>								
Interior Walls								
Ceramic Tile	2%			2039	**	5	\$400	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Concrete Masonry Unit	88%			LIFE	**	5	\$6,600	
Gypsum Board	10%			LIFE	**	5	\$1,100	
Ceilings								
AcousTile,Adhered	5%	Now	\$800	2029	**	5	\$500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Locker Room</i>								
Exposed Concrete	95%			LIFE	**	5	\$2,700	
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2037	**			
Parking/Driveway								
Cast in Place Concrete	100%			2037	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Over 600 Volts								
Transformers								
Not Accessible	100%							
Under 600 Volts								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 14 SOUTH BRONX STATION
Asset # : 13986

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Transformers								
Dry Type	100%			2041	**	5		
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Electrical Room</i>						
		<i>Explanation : 45 Kva Transformer 480-208/120v</i>						
Raceway								
Conduit	100%			2050	**	1		
Panelboards								
Molded Case Bkrs	75%			2046	**	5	\$100	
Molded Case Bkrs	25%	4+	\$1,000	2040	**	5		
		<i>Covers Missing, Extent : Moderate, Area Affected : 25%</i>						
		<i>Location : Electrical Room</i>						
Wiring								
Thermoplastic	100%			2050	**	1		
Motor Controllers								
Locally Mounted	100%	2-4	\$8,600	2041	**	5		
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Garage Door Opener</i>						
		<i>Explanation : Unit Subject To Constant Use</i>						
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								
Interior Lighting								
Fluorescent	100%			2029	**	10	\$3,200	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
Egress Lighting								
Emergency, Service	50%			2029	**	1		
Exit, Service	50%			2029	**	1		
Exterior Lighting								
HID	100%			2029	**	10		
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Central Plant Steam Piping/Pmp	100%			2034	**	4	\$200	
Terminal Devices								
Convactor/Radiator	50%			2029	**	1	\$600	
Unit Heater - Steam	50%			2029	**	4	\$200	
Air Conditioning								
Energy Source								
Electricity	100%			2040	**	1		

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 14 SOUTH BRONX STATION
Asset # : 13986

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Interior Pkg Unit - Cooling	50%			2025	\$61,200	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Supplied From Hospital</i>								
	Window/Wall Unit	50%			2019	\$3,400	1	
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2	\$4,600
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2044	**	1	
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Fixtures								
	Generic	100%						
Fire Suppression								
Fire Pump								
	Not Accessible	100%						
Chemical System								
	No Component	90%						
	Generic	10%			2019	\$200	1-3	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 15 WILLIAMS BRIDGE STATION
Address : 4109 WHITE PLAINS ROAD BTWN E.229 ST. - E.230 ST.
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSEMS.015 / 13987 **Yr Built/Renovated** : 1907 / 1998
Area Sq Ft : 5,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 03-Apr-2013 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 4832 **Lot** : 6 **BIN** : 2087346

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Interior Architecture	\$56,100	
Mechanical	\$36,000	
Total	\$92,100	
Importance Code A	\$36,000	
Importance Code B	\$56,100	
Total	\$92,100	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$32,000	\$100		
Interior Architecture	\$64,100			\$1,000
Electrical	\$2,000	\$900	\$300	\$5,600
Mechanical	\$8,600	\$600	\$500	\$3,600
Site Pavements	\$4,700			
Total	\$111,400	\$1,600	\$800	\$10,100
Importance Code A	\$32,200	\$300	\$200	\$200
Importance Code B	\$53,500	\$1,200	\$600	\$9,900
Importance Code C	\$25,600			
Total	\$111,400	\$1,600	\$800	\$10,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 15 WILLIAMS BRIDGE STATION
Asset # : 13987

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	85%			LIFE	**	5	\$20,700	
<i>Recent Repair Evident, Extent : Light, Area Affected : 66%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	5%			LIFE	**	5	\$900	
<i>Recent Repair Evident, Extent : Light, Area Affected : 66%</i>								
<i>Location : Throughout</i>								
Window Wall	5%	0-2	\$2,900	2044	**	5	\$2,300	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Roof Stair Bulkhead Wall</i>								
Wood Overhead Doors	5%	2-4	\$3,800	2037	**	5	\$3,000	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	10%			2040	**	5	\$100	
Aluminum	10%	Now	\$300	2040	**	5	\$100	
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 3rd Floor Dormitory And Locker Room</i>								
Wood	80%	Now	\$8,200	2040	**	5	\$4,900	
<i>Air Infiltration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
<i>Deteriorated Finish, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$2,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Not Accessible 15' High No Ladder</i>								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$700	
Masonry: Brick	75%	Now	\$14,900	LIFE	**	5	\$1,300	
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Roof Side Of Brick Parapet Walls Coated With Bituminous Tar Which Is Peeling Off</i>								
Roof								
Built-Up (BUR)	100%	Now	\$1,900	2029	**			
<i>Patching Evident, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Not Accessible</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 15 WILLIAMS BRIDGE STATION
Asset # : 13987

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$56,100	LIFE	**	5	\$19,700	
<i>Horizontal Cracks, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout Basement</i>								
Ceramic Tile	5%			2033	**	5	\$900	
Vinyl Tile	35%	0-2	\$10,700	2029	**	3	\$2,400	
<i>Split/Cracked, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	10%			2034	**	3	\$900	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Cast in Place Concrete	2%			LIFE	**			
Ceramic Tile	4%			2033	**	5	\$800	
Concrete Masonry Unit	20%			LIFE	**	5	\$1,500	
Gypsum Board	20%	Now	\$1,600	LIFE	**	5	\$2,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	20%	2-4	\$14,600	LIFE	**			
<i>Efflorescence, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Basement</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout Basement</i>								
Plaster	20%	Now	\$3,000	LIFE	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Basement.</i>								
SGFT/Glazed Masonry	12%	Now	\$1,700	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Wood	2%			LIFE	**	5	\$1,500	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Interior Plank Walls</i>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
EMS STATION 15 WILLIAMS BRIDGE STATION
Asset # : 13987

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
Embossed Metal	5%	4+	\$300	LIFE	**	5	\$400	
<i>Paint Peeling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Gypsum Board	40%	Now	\$3,600	LIFE	**	5	\$9,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Plaster	40%	Now	\$28,300	LIFE	**	5	\$4,500	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 3rd Floor Under Roof</i>								
No Component	15%							
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Ceiling.</i>								
Site Pavements								
Parking/Driveway								
Asphalt	71%	0-2	\$2,800	2033	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Cast in Place Concrete	29%	0-2	\$1,900	2037	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2044	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 200 Amperes</i>								
Raceway								
Conduit	100%			2044	**	1		
Panelboards								
Molded Case Bkrs	100%			2040	**	5	\$100	
Wiring								
Braided Cloth	30%			2023	\$8,300	1		
Thermoplastic	70%			2044	**	1		
Motor Controllers								
Locally Mounted	100%			2037	**	5		

Ground

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
EMS STATION 15 WILLIAMS BRIDGE STATION
Asset # : 13987

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Main</i>								
Stand-by Power								
Transfer Switches Automatic	100%			2037	**	1	\$1,500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : A T S For Generator Back Up For Entire Building</i>								
Generators Diesel	100%			2033	**	1	\$1,900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Right Side Of Building</i>								
<i>Explanation : Kohler 40 Kw</i>								
Batteries Lead/Acid	100%			2019	\$1,500	5	\$200	
Fuel Storage Day Tank	100%			2040	**	5	\$900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Right Side Of Builidng</i>								
<i>Explanation : 50 Gallon Saddle Tank</i>								
Lighting								
Interior Lighting Fluorescent	100%			2032	**	10	\$4,600	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Egress Lighting Emergency, Battery	50%			2032	**	10	\$600	
Exit, Service	50%			2029	**	1		
Exterior Lighting HID	100%			2029	**	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2044	**	1		
Conversion Equipment Hot Water Boiler	100%			2022	\$36,000	1	\$2,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 15 WILLIAMS BRIDGE STATION
Asset # : 13987

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
Distribution								
	Hot Wtr Piping/Pump	100%			2040	**	4	\$400
Terminal Devices								
	Convactor/Radiator	95%			2029	**	1	\$1,500
	Fan Coil Unit/Heat	5%			2024	\$3,500	1	\$100
Air Conditioning								
Energy Source								
	Electricity	100%			2040	**	1	
Conversion Equipment								
	Window/Wall Unit	80%			2019	\$7,800	1	
			<i>Broken, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : 2nd Floor Unit</i>					
	No Component	20%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2034	**	1	
Water Heater								
	Gas Fired	100%			2022	\$2,900	2	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 1 - 75 Gallon Unit</i>					
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%	Now	\$200	2019	\$200	4	\$100
			<i>On Extended Life, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
Backflow Preventer								
	No Component	95%						
	Generic	5%			2029	**	1	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Serves Boiler Only</i>					
Fixtures								
	Generic	100%						
			<i>Obsolete Fixtures, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
Fire Suppression								
Sprinkler								
	No Component	80%						
	Generic	20%			2034	**	1-2	\$300

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FIRE DEPARTMENT - 057
EMS STATION 15 WILLIAMS BRIDGE STATION
Asset # : 13987

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Chemical System							
	No Component	90%						
	Generic	10%			2022	\$200	1-3	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 16 HARLEM STATION
Address : 524 LENOX AVE. @ HARLEM HOSPITAL
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSEMS.016 / 13985 **Yr Built/Renovated** : 1959 /
Area Sq Ft : 3,500 **Project Type** : FIRE DEPARTMENT
Date of Survey : 01-Mar-2013 **Landmark Status** : NONE
Areas Surveyed : Floors 1
Block : 1731 **Lot** : 1 **BIN** : 1082168

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Interior Architecture		\$137,500
Electrical		\$36,200
Total		\$173,700
Importance Code B		\$173,700
Total		\$173,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Interior Architecture	\$44,200			\$11,500
Electrical	\$200	\$200	\$300	\$300
Mechanical		\$100	\$300	
Total	\$44,500	\$300	\$600	\$11,800
Importance Code B	\$44,500	\$300	\$600	\$11,400
Importance Code C				\$500
Total	\$44,500	\$300	\$600	\$11,800



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 16 HARLEM STATION
Asset # : 13985

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Terrazzo	10%	0-2	\$16,700	LIFE	**	5	\$1,400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	90%	0-2	\$27,500	2024	\$137,500	3	\$6,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2027	\$25,800	5	\$900	
Glass: Single Pane	5%			LIFE	**	5	\$700	
Marble Panels	5%			LIFE	**			
Plaster	85%			LIFE	**	5	\$4,800	
Ceilings								
AcousTileSusp.Lay-In	100%			2037	**	5	\$18,000	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	100%			2034	**	1		
Panelboards								
Molded Case Bkrs	100%			2032	**	5	\$100	
Wiring								
Thermoplastic	100%			2034	**	1		
Lighting								
Interior Lighting								
Fluorescent	100%			2024	\$9,500	10	\$3,200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout EMS Area - 1st Floor</i>								
<i>Explanation : T-8 Fixtures In Use</i>								
Egress Lighting								
Emergency, Service	50%			2024	\$900	1		
Exit, Service	50%			2029	**	1		
Exterior Lighting								
HID	100%			2024	\$13,200	10		
Alarm								
Security System								
No Component	70%							
Generic	30%			2024	\$3,200	1	\$400	
Fire/Smoke Detection								
Generic	100%			2024	\$36,200	1-3	\$2,200	

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 16 HARLEM STATION
Asset # : 13985

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
HTHW/HW	25%			2034	**	1		
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Supplied From Harlem Hospital</i>						
No Component	75%							
Distribution								
Hot Wtr Piping/Pump	25%			2032	**	4	\$100	
No Component	75%							
Terminal Devices								
Convactor/Radiator	25%			2037	**	1	\$300	
No Component	75%							
Air Conditioning								
Energy Source								
Electricity	100%			2040	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	25%			2029	**	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Hospital Roof</i>						
		<i>Explanation : No Access</i>						
No Component	75%							
Distribution								
Ductwork/Diffusers	25%			LIFE	**	2	\$1,100	
No Component	75%							
Ventilation								
Exhaust Fans								
Roof	100%			2024	\$5,400	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2044	**	1		
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Not Accessible	100%							
Fixtures								
Generic	100%							
Fire Suppression								
Fire Pump								
Not Accessible	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 17 HIGH BRIDGE STATION
Address : 1080 OGDEN AVE. BTWN E.165 ST - E.166 ST
Borough : BRONX Agency's Number : N/A
Program / Asset # : FIRSEMS.017 / 13988 Yr Built/Renovated : 1890 / 2012
Area Sq Ft : 5,000 Project Type : FIRE DEPARTMENT
Date of Survey : 05-Mar-2013 Landmark Status : NONE
Areas Surveyed : Basement, Roof, Floors 1,3
Block : 2514 Lot : 9 BIN : 2003255

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$44,000	
Interior Architecture	\$131,000	\$61,100
Electrical		\$104,200
Total	\$174,900	\$165,300
Importance Code A	\$44,000	
Importance Code B	\$131,000	\$165,300
Total	\$174,900	\$165,300

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$600			
Interior Architecture	\$87,200			\$900
Electrical	\$40,500	\$300	\$300	\$15,200
Mechanical	\$800	\$800	\$700	\$1,200
Total	\$129,100	\$1,200	\$1,100	\$17,300
Importance Code A	\$1,100	\$500	\$500	\$500
Importance Code B	\$102,100	\$700	\$600	\$16,800
Importance Code C	\$25,800			
Total	\$129,100	\$1,200	\$1,100	\$17,300



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
EMS STATION 17 HIGH BRIDGE STATION
Asset # : 13988

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	70%			2054	**	10	\$5,300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	30%	Now	\$44,000	LIFE	**	5	\$7,300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Entry Facade</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 20%</i>								
<i>Location : At Entry</i>								
Windows								
Aluminum	100%			2049	**	5	\$1,200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,300	
Masonry: Brick	90%			LIFE	**	5	\$1,600	
Roof								
Modified Bitumen	100%			2034	**	10	\$8,100	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	55%	0-2	\$30,800	LIFE	**	5	\$21,700	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2033	**	5	\$900	
Vinyl Tile	40%	Now	\$30,600	2024	\$61,100	3	\$2,700	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd, 3rd Floors</i>								
<i>Split/Cracked, Extent : Severe, Area Affected : 90%</i>								
<i>Location : 2nd, 3rd Floors</i>								
Interior Walls								
Ceramic Tile	25%	0-2	\$25,800	2033	**	5	\$2,300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Gypsum Board	20%			LIFE	**	5	\$2,300	
Masonry: Fieldstone	15%			LIFE	**			
Plaster	40%			LIFE	**	5	\$2,300	
Ceilings								
Embossed Metal	70%	0-2	\$44,200	LIFE	**	5	\$5,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Exposed Concrete	30%	Now	\$86,700	LIFE	**	5	\$800	
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Basement Ceiling Arches</i>								

Site Enclosure

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 17 HIGH BRIDGE STATION
Asset # : 13988

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Enclosure								
Fence/Gates								
Chain link	100%			2044	**			
Site Pavements								
Parking/Driveway								
Asphalt	100%			2039	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2024	\$4,800	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : In Front Office</i>								
<i>Explanation : 1- 200 Amperes Service</i>								
Raceway								
Conduit	90%			2024	\$28,200	1		
Conduit	10%			2034	**	1		
Panelboards								
Molded Case Bkrs	100%			2023	\$38,500	5	\$100	
Wiring								
Thermoplastic	80%			2024	\$22,200	1		
Thermoplastic	20%			2034	**	1		
Motor Controllers								
Locally Mounted	100%			2022	\$14,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2029	**	1	\$1,500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Front Office Rear</i>								
<i>Explanation : Asco Type Switch</i>								
Generators								
Diesel	100%			2027	\$65,700	1	\$1,900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside Rear Of Building</i>								
<i>Explanation : 81 Kva Unit - Onan Cummins Type</i>								
Batteries								
Lead/Acid	100%			2019	\$1,500	5	\$200	
Fuel Storage								
Day Tank	100%			2032	**	5	\$900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside Rear Of Building</i>								
<i>Explanation : 60 Gallon Tank</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 17 HIGH BRIDGE STATION
Asset # : 13988

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	100%			2019	\$13,500	10	\$4,600	
<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Egress Lighting Emergency, Service	50%			2019	\$1,200	1		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Main Power Fixtures</i>								
Exit, Service	50%			2019	\$300	1		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Main Power Fixtures</i>								
Exterior Lighting HID	100%			2019	\$18,900	10		
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Natural Gas	100%			2044	**	1		
Conversion Equipment Steam Boiler	100%			2041	**	1	\$5,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution Central Plant Steam Piping/Pmp	100%			2044	**	4	\$400	
Terminal Devices Convactor/Radiator	100%			2029	**	1	\$1,600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Cast Iron Radiators, One Pipe System</i>								
Air Conditioning								
Energy Source Electricity	100%			2040	**	1		
Conversion Equipment Window/Wall Unit	50%			2023	\$4,900	1		
No Component	50%							
Plumbing								
H/C Water Piping Brass/Copper	100%			2034	**	1		
Water Heater Gas Fired	100%			2023	\$2,900	2	\$100	

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 17 HIGH BRIDGE STATION
Asset # : 13988

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Fixtures							
	Generic	100%						
			<i>Obsolete Fixtures, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
Fire Suppression								
	Sprinkler							
	Not Accessible	100%						
	Chemical System							
	No Component	80%						
	Generic	20%			2022	\$400	1-3	\$800
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Fire Extinguishers</i>					

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 18 BATHGATE STATION
Address : 1647 WASHINGTON AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSEMS.018 / 13707 **Yr Built/Renovated** : 2002 /
Area Sq Ft : 5,990 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Jul-2012 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 2905 **Lot** : 30 **BIN** : 2817123

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$66,800
Electrical		\$61,900
Mechanical		\$62,300
Total		\$191,000
Importance Code A		\$129,100
Importance Code B		\$61,900
Total		\$191,000

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$21,100	\$1,900		
Interior Architecture	\$200	\$1,000	\$300	\$200
Electrical	\$2,600	\$800	\$900	\$900
Mechanical	\$100	\$500	\$3,600	\$500
Total	\$24,000	\$4,200	\$4,700	\$1,600
Importance Code A	\$21,200	\$2,300	\$100	\$400
Importance Code B	\$2,800	\$1,800	\$4,600	\$1,100
Importance Code C			\$100	
Total	\$24,000	\$4,200	\$4,700	\$1,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 18 BATHGATE STATION
Asset # : 13707

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	75%			LIFE	**	5	\$5,300	
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : West Facade</i>								
Metal Panel	2%			2049	**	5-10	\$1,000	
Metal Sect. OHD	13%			2040	**	5	\$2,900	
Pre-Cast Concrete	10%			LIFE	**	5	\$2,300	
<i>Vertical Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Black Colored Oversize Cmu Units</i>								
Windows								
Aluminum	100%			2045	**	5	\$900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : With Heavy Duty Screens On Exterior Side</i>								
Parapets								
Masonry: Brick	95%			LIFE	**	5	\$700	
Pre-Cast Concrete	5%	Now	\$400	LIFE	**	5	\$200	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Coping</i>								
<i>Open Joints, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Coping</i>								
Roof								
Modified Bitumen	100%	Now	\$20,000	2028			\$66,800	
<i>Blisters, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Upper Roof</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Upper Roof</i>								
Interior								
Floors								
Cast in Place Concrete	75%			LIFE	**	5	\$13,200	
Ceramic Tile	5%			2036	**	5	\$400	
Vinyl Tile	20%			2031	**	3	\$800	
Interior Walls								
Ceramic Tile	5%			2036	**	5	\$200	
Concrete Masonry Unit	75%			LIFE	**	5	\$1,000	
Gypsum Board	20%			LIFE	**	5	\$400	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Lower Section Of Walls</i>								
<i>Explanation : Protected With Steel Plates</i>								
Ceilings								
AcousTileSusp.Lay-In	25%			2040	**	5	\$2,000	
Exposed Struc: Steel	75%			LIFE	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 18 BATHGATE STATION
Asset # : 13707

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
	Service Equipment							
	Fused Disc Sw	100%			2043	**	5	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Electrical Room</i>					
			<i>Explanation : Main Service Switch Rated @ 600 Amperes</i>					
	Switchgear / Switchboard							
	Fused Disc Sw	100%			2043	**	5	
	Raceway							
	Conduit	100%			2043	**	1	
	Panelboards							
	Fused Disc Sw	20%			2039	**	5	
	Molded Case Bkrs	80%			2039	**	5	\$100
	Wiring							
	Thermoplastic	100%			2043	**	1	
	Motor Controllers							
	Locally Mounted	100%			2036	**	5	
Ground								
	Grounding Devices							
	Not Accessible	100%						
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location :</i>					
			<i>Explanation : Covered With Insulation</i>					
Stand-by Power								
	Transfer Switches							
	Automatic	100%			2036	**	1	\$1,800
	Generators							
	Diesel	100%			2032	**	1	\$2,300
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Outside</i>					
			<i>Explanation : Diesel Generator Rated @ 40 Kw</i>					
	Batteries							
	Lead/Acid	100%			2019	\$1,500	5	\$200
	Fuel Storage							
	Main Tank	100%			2051	**	5	\$200
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Outside</i>					
			<i>Explanation : 50 Gallon Capacity</i>					
Lighting								
	Interior Lighting							
	Fluorescent	100%			2028	\$14,600	10	\$4,900
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
			<i>Explanation : T-8 Lamps</i>					
	Egress Lighting							
	Emergency, Service	50%			2028	\$1,300	1	
	Exit, LED	50%			2051	**	1	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 18 BATHGATE STATION
Asset # : 13707

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Exterior Lighting HID	100%			2028	\$22,600	10		
Alarm								
Fire/Smoke Detection Generic	100%			2028	\$61,900	1-3	\$3,800	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Manual Pull Station, Strobe Lights And Alarm Bells</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2043	**	1		
Conversion Equipment Furnace	30%			2028	\$3,500	1	\$800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 1 Natural Gas Fired Packaged Roof Top Unit</i>								
Radiant Heater	70%			2028	\$62,300	2	\$1,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Garage</i>								
<i>Explanation : 3 Natural Gas Fired Space Heaters</i>								
Terminal Devices Fan Coil Unit/Heat	10%			2028	\$7,500	1	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Vestibule</i>								
<i>Explanation : Electric Cabinet Unit Heater</i>								
No Component	90%							
Air Conditioning								
Energy Source Electricity	100%			2039	**	1		
Conversion Equipment Ext Pkg Unit - Heating/Cooling	30%			2028	\$18,900	2	\$100	
No Component	70%							
Ventilation								
Distribution Ductwork/Diffusers	100%			LIFE	**	2-5	\$3,000	
Exhaust Fans Roof	60%			2028	\$5,000	2	\$100	
Wall Unit	40%			2028	\$700	2	\$100	
Plumbing								
H/C Water Piping Brass/Copper	100%			2043	**	1		

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 18 BATHGATE STATION
Asset # : 13707

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Water Heater							
	Gas Fired	100%			2021	\$3,100	2	\$100
	Sanitary Piping							
	Cast Iron	100%			LIFE	* *	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	* *	1	
	Fixtures							
	Generic	100%						
				<i>Low Consumption Fixtures, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Men And Women Toilet Rooms</i>				

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

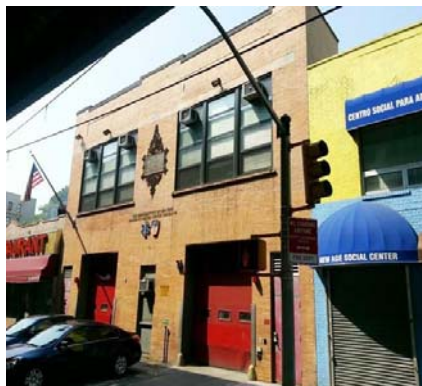
Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 19 (FORMER ENGINE CO. 75)
Address : 2285 JEROME AVENUE @ E. 183 STREET
Borough : BRONX Agency's Number : N/A
Program / Asset # : FIR0017.000 / 13399 Yr Built/Renovated : 1901 / 2001
Area Sq Ft : 6,495 Project Type : FIRE DEPARTMENT
Date of Survey : 26-Mar-2013 Landmark Status : NONE
Areas Surveyed : Basement, Floors 1,2
Block : 3197 Lot : 33 BIN : 2014235

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Electrical		\$132,900
Total		\$132,900
Importance Code B		\$132,900
Total		\$132,900

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$17,700	\$800		
Interior Architecture	\$8,300			\$2,800
Electrical	\$12,100	\$800	\$900	\$900
Mechanical	\$600	\$700	\$600	\$10,900
Total	\$38,800	\$2,300	\$1,600	\$14,600
Importance Code A	\$18,000	\$1,100	\$300	\$300
Importance Code B	\$20,200	\$1,200	\$1,300	\$14,300
Importance Code C	\$600			
Total	\$38,800	\$2,300	\$1,600	\$14,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 19 (FORMER ENGINE CO. 75)
Asset # : 13399

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	30%	Now	\$10,400	LIFE	**	5	\$3,400	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : West Facade</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : West Facade</i>								
Masonry: Brick	45%			LIFE	**	5	\$5,200	
Metal Sect. OHD	20%			2029	**	5	\$7,200	
Pre-Cast Concrete	5%			LIFE	**	5	\$1,900	
Windows								
Aluminum	100%			2040	**	5	\$1,500	
Parapets								
Masonry: Brick	25%	Now	\$2,300	LIFE	**	5	\$100	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Facade</i>								
Pre-Cast Concrete	5%			LIFE	**	5	\$100	
Not Accessible	70%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Roof Access</i>								
<i>Explanation : Roof Access Was Locked</i>								
Roof								
Modified Bitumen	20%	Now	\$1,400	2029	**			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Over First Floor</i>								
Not Accessible	80%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Roof Access</i>								
<i>Explanation : Roof Access Was Locked</i>								
Interior								
Floors								
Cast in Place Concrete	55%			LIFE	**	5	\$10,500	
Ceramic Tile	10%			2027	\$16,900	5	\$900	
Vinyl Tile	35%	Now	\$7,800	2029	**	3	\$1,100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout.</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	10%			2033	**	5	\$400	
Concrete Masonry Unit	10%			LIFE	**	5	\$100	
Gypsum Board	10%			LIFE	**	5	\$200	
Masonry: Brick	10%			LIFE	**			
Plaster	10%	Now	\$600	LIFE	**	5	\$100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : At East Entrance</i>								
Plaster	50%			LIFE	**	5	\$500	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 19 (FORMER ENGINE CO. 75)
Asset # : 13399

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

AcousTileSusp.Lay-In	45%			2037	**	5	\$3,900	
Embossed Metal	50%			LIFE	**	5	\$2,000	
Exposed Concrete	5%			LIFE	**	5	\$100	

Site Enclosure

Free Standing Walls

Concrete Masonry Unit	100%			2044	**			
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Site Pavements

On-Site Walkways

Cast in Place Concrete	100%			2037	**			
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Parking/Driveway

Cast in Place Concrete	100%			2037	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2024	\$4,800	5		
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Basement

Explanation : Main Service Switch Rated @ 600 Amperes

Raceway

Conduit	100%			2034	**	1		
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Panelboards

Fused Disc Sw	20%			2032	**	5		
Molded Case Bkrs	80%			2032	**	5	\$100	

Wiring

Thermoplastic	100%			2034	**	1		
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Motor Controllers

Locally Mounted	100%			2029	**	5		
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Ground

Grounding Devices

Generic	100%	2-4	\$9,500	LIFE	**	5	\$100	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Basement

Explanation : Corroded

Stand-by Power

Transfer Switches

Automatic	100%			2029	**	1	\$2,000	
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Generators

Diesel	100%			2027	\$65,700	1	\$2,500	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Outside

Explanation : Emergency Generator Rated @ 40 Kw

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 19 (FORMER ENGINE CO. 75)
Asset # : 13399

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Batteries								
Lead/Acid	100%			2019	\$1,500	5	\$200	
Fuel Storage								
Main Tank	100%			2039	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : No Available Nameplate Rating Capacity</i>								
Lighting								
Interior Lighting								
Fluorescent	100%			2024	\$15,800	10	\$5,300	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Egress Lighting								
Emergency, Service	50%			2024	\$1,400	1		
Exit, LED	50%			2039	**	1		
Exterior Lighting								
HID	100%			2024	\$24,500	10		
Alarm								
Fire/Smoke Detection								
Generic	100%			2024	\$67,200	1-3	\$4,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Manual Pull Station, Strobe Lights, Smoke Detectors</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2034	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2029	**	1	\$2,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2032	**	4	\$400	
Terminal Devices								
Convactor/Radiator	60%			2029	**	1	\$1,100	
Unit Heater - Steam	40%			2024	\$7,800	4	\$300	
Air Conditioning								
Energy Source								
Electricity	100%			2032	**	1		
Conversion Equipment								
Window/Wall Unit	60%			2022	\$6,800	1		
No Component	40%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 19 (FORMER ENGINE CO. 75)
Asset # : 13399

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Distribution								
Ductwork/Diffusers	40%			LIFE	**	2-5	\$1,300	
No Component	60%							
Exhaust Fans								
Wall Unit	30%			2032	**	2	\$100	
No Component	30%							
Not Accessible	40%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2044	**	1		
Water Heater								
Gas Fired	100%			2022	\$3,300	2	\$100	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 1 - 80 Gallon Unit Used With Solar Unit</i>					
HW Heat Exchanger								
Steam Fired	100%			2050	**	4	\$600	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Roof / Basement</i>					
			<i>Explanation : Solar</i>					
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	100%	0-2	\$200	2024	\$900	4	\$100	
			<i>Corroded, Extent : Severe, Area Affected : 10%</i>					
			<i>Location : The Housing</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Dual Unit</i>					
Backflow Preventer								
Generic	100%			2029	**	1	\$400	
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 20 MORRIS PARK STATION
Address : JACOBI HOSPITAL 1410 PELHAM PARKWAY SOUTH
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSEMS.020 / 13990 **Yr Built/Renovated** :
Area Sq Ft : 12,500 **Project Type** : FIRE DEPARTMENT
Date of Survey : 29-Nov-2016 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 4205 **Lot** : 1 **BIN** : 2097552

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$356,100	\$57,800
Interior Architecture	\$40,200	
Electrical		\$129,200
Mechanical	\$140,000	
Site Pavements	\$331,300	
Total	\$867,600	\$187,100
Importance Code A	\$356,100	\$57,800
Importance Code B	\$140,000	\$129,200
Importance Code C	\$371,500	
Total	\$867,600	\$187,100

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$39,300			
Interior Architecture	\$40,700		\$300	\$200
Electrical	\$18,400	\$1,200	\$1,200	\$1,600
Mechanical	\$13,700	\$400	\$400	\$800
Site Pavements	\$35,000			
Total	\$147,100	\$1,500	\$1,800	\$2,500
Importance Code A	\$39,300			
Importance Code B	\$70,400	\$1,500	\$1,800	\$2,500
Importance Code C	\$37,400			
Total	\$147,100	\$1,500	\$1,800	\$2,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 20 MORRIS PARK STATION
Asset # : 13990

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	85%	Now	\$122,300	LIFE	**	5	\$8,100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : At Entry Doors, Flag Pole Anchors, Building Corners, Underside Of Window Sills</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 30%</i>								
<i>Location : At Entry Doors, Flag Pole Anchors, Building Corners, Underside Of Window Sills</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Lower Half Of All Facades</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 20%</i>								
<i>Location : East Elevation And At Base Of Building - Perimeter Entire</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : At Base Of North And East Perimeter Walls - Seeps Through From Exterior</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Northern Half Of Building</i>								
<i>Explanation : The Ems Facility Resides In Portion Of Building Entire</i>								
Metal Panel	10%	Now	\$700	2038	**	5	\$1,800	
<i>Deformed/Dented, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Building Corners And Window Sills</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Building Corners And Window Sills</i>								
Metal Coiling Doors	5%	Now	\$27,100	2048	**	5	\$700	
<i>Deformed/Dented, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Panel Of Door And At Door Track</i>								
Windows								
Aluminum	100%	Now	\$113,300	2053	**	5	\$1,400	
<i>Air Infiltration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Windows - East Elevation</i>								
<i>Glazing Broken/Cracked, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Observed Within Apparatus Floor And East Side Of Building - Assumed Throughout</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Observed Within Apparatus Floor And East Side Of Building - Assumed Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Observed Within Apparatus Floor And East Side Of Building - Assumed Throughout</i>								
<i>Explanation : All Windows Are At The End Of Their Useful Life</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 20 MORRIS PARK STATION
Asset # : 13990

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Modified Bitumen	100%	Now	\$11,600	2028	\$57,800			
<i>Gut/DS Non Func/Miss, Extent : Severe, Area Affected : 25%</i> <i>Location : Water Sheeting Over Soffit Edge Eroding Grounds</i> <i>Reflective Surface, Extent : Light, Area Affected : 100%</i> <i>Location : Roof Entire</i> <i>Seams Open/Split, Extent : Moderate, Area Affected : 20%</i> <i>Location : West Side Of Roof - Observed From Ground Plane</i> <i>Water Penetration, Extent : Moderate, Area Affected : 15%</i> <i>Location : Roof Penetrations And North East Corner Of Storage Room</i> <i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Roof Entire</i> <i>Explanation : Condition Of Roof Observed From Ground Plane. No Access Hatch Available</i>								
Soffits								
Metal Panel	30%			2038	**	5-10	\$12,300	
Stucco Cement	70%	Now	\$120,500	2048	**	5	\$5,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i> <i>Location : Various Locations On The Underside Of Perimeter Soffit</i> <i>Loose/Delam Surface, Extent : Severe, Area Affected : 25%</i> <i>Location : East Side Of Building</i> <i>Staining/Discoloring, Extent : Moderate, Area Affected : 50%</i> <i>Location : Evidence Of Water Saturation Throughout Perimeter Soffits</i>								
Interior								
Floors								
Cast in Place Concrete	87%	0-2	\$15,000	LIFE	**	5	\$31,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i> <i>Location : Various Locations At Perimeter Of Apparatus Floor</i>								
Ceramic Tile	3%			2031	**	5	\$500	
Vinyl Tile	10%	Now	\$1,400	2033	**	3	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i> <i>Location : Dispatch Offices</i>								
Interior Walls								
Ceramic Tile	5%	Now	\$900	2031	**	5	\$300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i> <i>Location : Partitions At Shower Stalls In Locker Rooms</i>								
Gypsum Board	55%	Now	\$1,500	LIFE	**	5	\$4,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i> <i>Location : Partitions At Shower Stalls In Locker Rooms</i>								
SGFT/Glazed Masonry	40%	Now	\$40,200	LIFE	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i> <i>Location : Apparatus Floor - At Columns, Wall Openinge - At Entry Doors</i> <i>Water Penetration, Extent : Moderate, Area Affected : 35%</i> <i>Location : At Base Of North And East Perimeter Walls - Seeps Through From Exterior</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 20 MORRIS PARK STATION
Asset # : 13990

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
Plaster	100%	Now	\$21,800	LIFE	**	5	\$10,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Where Ceiling Meets Wall In Corridor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Exhaust Hood In Apparatus Floor And North East Corner Of Storage Room</i>								
Site Enclosure								
Fence/Gates								
Chain link	100%			2038	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$12,600	2048	**			
<i>Sinking/Subsiding, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Perimeter Walkways At Building And Parking Lot</i>								
Parking/Driveway								
Asphalt								
	10%	Now	\$22,500	2043	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : North East Portion Of Lot</i>								
Cast in Place Concrete								
	90%	Now	\$331,300	2048	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : At Apron And Approach To Overhead Entry Door</i>								
<i>Ponding, Extent : Severe, Area Affected : 35%</i>								
<i>Location : Access Road To Apparatus Floor</i>								
<i>Sinking/Subsiding, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout Parking Area</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	100%			2028	\$31,300	1		
Panelboards								
Fused Disc Sw	20%			2027	\$7,700	5	\$100	
Molded Case Bkrs	80%			2027	\$30,800	5	\$300	
Wiring								
Braided Cloth	20%	2-4	\$5,500	2053	**	1		
<i>Insulation Aged, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	80%			2028	\$22,200	1		
Motor Controllers								
Locally Mounted	100%			2026	\$14,400	5	\$100	

Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
EMS STATION 20 MORRIS PARK STATION
Asset # : 13990

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	100%			2023	\$33,900	10	\$11,500	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Egress Lighting Exit, Service	100%			2023	\$1,400	1		
Alarm								
Security System Generic	100%			2036	**	1	\$4,700	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Cctv Surveillance Camera In The Front And Back Of The Building.</i>								
<i>Explanation : CCTV Surveillance Camera</i>								
Fire/Smoke Detection Generic, Digital	100%			2028	\$129,200	1-3	\$7,900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Strobe Lights, Manual Pull Station And Horns</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Plant Campus Steam / PRV	80%			2038	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Hospital Campus</i>								
<i>Explanation : Steam Is Provided From Adjacent Building No. 7 - Storehouse</i>								
No Component	20%							
Distribution								
Central Plant Steam Piping/Pmp	80%	Now	\$7,900	2038	**	4	\$500	
<i>Leak Evident, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Front Of Garage Door, 1st Floor</i>								
No Component	20%							
Terminal Devices								
Fan Coil Unit/Heat	80%	0-2	\$140,000	2038	**	1	\$2,900	
<i>On Extended Life, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
No Component	20%							
Air Conditioning								
Energy Source Electricity	50%			2044	**	1		
No Component	50%							

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FIRE DEPARTMENT - 057
EMS STATION 20 MORRIS PARK STATION
Asset # : 13990

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Window/Wall Unit	30%			2023	\$7,300	1	
	No Component	70%						
Ventilation								
Exhaust Fans								
	Interior	20%			2033	**	2	\$100
	No Component	80%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%	Now	\$4,400	2038	**	1	
<i>Leak Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bathroom</i>								
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%	Now	\$1,200	LIFE	**	1	
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Gutters</i>								
Sump Pump(s)								
	Submersible	100%			2022	\$400	4	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : 2 Units</i>								
Fixtures								
	Generic	100%						
<i>Obsolete Fixtures, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fire Suppression								
Chemical System								
	No Component	90%						
	Generic	10%			2023	\$200	1-3	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 26 MORRISANIA STATION
Address : 1264 BOSTON ROAD BTWN E.168 ST. - E.169 ST.
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSEMS.026 / 13991 **Yr Built/Renovated** :
Area Sq Ft : 7,500 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Mar-2013 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 2663 **Lot** : 22 **BIN** : 2004749

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$50,800	
Interior Architecture	\$119,300	
Electrical		\$100,400
Total	\$170,100	\$100,400
Importance Code A	\$50,800	
Importance Code B	\$119,300	\$100,400
Total	\$170,100	\$100,400

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$35,500			
Interior Architecture	\$37,900			\$1,400
Electrical	\$47,800	\$500	\$500	\$15,600
Mechanical	\$15,200	\$600	\$600	\$6,400
Total	\$136,400	\$1,100	\$1,100	\$23,400
Importance Code A	\$44,300	\$400	\$400	\$400
Importance Code B	\$81,700	\$800	\$700	\$22,600
Importance Code C	\$10,300			\$500
Total	\$136,400	\$1,100	\$1,100	\$23,400



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 26 MORRISANIA STATION
Asset # : 13991

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Metal, Corrugated	95%	Now	\$33,600	2050	**	1		
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Bottom Of Street Wall</i>								
<i>Deformed/Dented, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Metal Coiling Doors	5%			2029	**	5	\$3,800	
Windows								
Aluminum	100%	Now	\$50,800	2049	**	5	\$600	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : There Are 8 Windows</i>								
Roof								
Metal Panel	100%			2037	**	10	\$14,900	
Interior								
Floors								
Cast in Place Concrete	55%	0-2	\$20,600	LIFE	**	5	\$21,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%	0-2	\$7,000	2027	\$17,400	5	\$500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	40%	Now	\$61,100	2034	**	3	\$2,700	
<i>Patching Evident, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Split/Cracked, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2027	\$25,800	5	\$900	
Concrete Masonry Unit	55%			LIFE	**	5	\$4,100	
Metal Panel	40%	0-2	\$10,300	LIFE	**			
<i>Deformed/Dented, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceilings								
AcousTileSusp.Lay-In	100%	0-2	\$58,100	2029	**	5	\$9,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2037	**			
On-Site Walkways								
Cast in Place Concrete	100%			2037	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 26 MORRISANIA STATION
Asset # : 13991

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Site Pavements								
Parking/Driveway								
Cast in Place Concrete	100%			2037	**			
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2024	\$4,800	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Front Office</i>								
<i>Explanation : 1- 200 Amperes Service</i>								
Raceway								
Conduit	90%			2024	\$28,200	1		
Conduit	10%			2034	**	1		
Panelboards								
Molded Case Bkrs	90%			2023	\$34,600	5	\$200	
Molded Case Bkrs	10%			2032	**	5		
Wiring								
Braided Cloth	70%			2023	\$19,400	1		
Thermoplastic	30%			2034	**	1		
Motor Controllers								
Locally Mounted	100%			2022	\$14,400	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Front Office</i>								
<i>Explanation : Ground Conductor Not Connected To 200 Amperes Switch</i>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2029	**	1	\$2,300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Front Office</i>								
<i>Explanation : 200 Amperes Asco Type Switch</i>								
Generators								
Diesel	100%			2027	\$65,700	1	\$2,900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside Rear Of Building</i>								
<i>Explanation : 80 Kva Unit - Onan Cummins Type Unit</i>								
Batteries								
Lead/Acid	100%			2019	\$1,500	5	\$300	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 26 MORRISANIA STATION
Asset # : 13991

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power Fuel Storage Day Tank	100%			2032	**	5	\$1,400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside Rear Of Building</i>								
<i>Explanation : 60 Gallon Tank</i>								
<hr/>								
Lighting Interior Lighting Fluorescent	50%			2019	\$10,200	10	\$3,400	
<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
HID	47%			2019	\$3,500	10	\$100	
HID	3%	Now	\$100	2024	\$200			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Various Locations</i>								
<i>Explanation : Fixtures Damaged - Not Working</i>								
<hr/>								
Egress Lighting Exit, Service	100%			2024	\$800	1		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Main Power Fixtures</i>								
<hr/>								
Exterior Lighting HID	100%			2019	\$28,300	10		
<hr/>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
<hr/>								
Heating Energy Source Natural Gas	100%			2034	**	1		
<hr/>								
Conversion Equipment Furnace	50%	Now	\$8,300	2034	**	1	\$1,700	
<i>Broken, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : 2 Units</i>								
<hr/>								
Hot Water Boiler	50%	Now	\$500	2041	**	1	\$1,700	
<i>Malfunctioning, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Control System</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
<hr/>								
Distribution Hot Wtr Piping/Pump No Component	50%			2040	**	4	\$300	
<hr/>								

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FIRE DEPARTMENT - 057
EMS STATION 26 MORRISANIA STATION
Asset # : 13991

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Terminal Devices								
Convactor/Radiator	40%			2029	**	1	\$1,000	
Unit Heater - Steam	10%			2029	**	4	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Locker Room</i>								
<i>Explanation : Modine Hw Unit Heaters</i>								
No Component	50%							
Air Conditioning								
Energy Source								
Electricity	100%			2032	**	1		
Conversion Equipment								
Window/Wall Unit	40%			2022	\$5,800	1		
No Component	60%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2034	**	1		
Water Heater								
Gas Fired	100%			2019	\$4,300	2	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Locker Room</i>								
<i>Explanation : A O Smith Gas Fired Dhw Heater</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%	Now	\$1,500	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Gutters</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : Backs Up With Heavy Rain</i>								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	80%							
Generic	20%			2019	\$400	1-3	\$800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 27
Address : 243 EAST 233RD STREET BTWN KEPLER AVE. - KATONAH AVE.
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSEMS.027 / 13993 **Yr Built/Renovated** : 2011 /
Area Sq Ft : 12,027 **Project Type** : FIRE DEPARTMENT
Date of Survey : 18-Nov-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,3,4
Block : 3374 **Lot** : 10 **BIN** : 2019007

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$17,600		\$15,000	
Interior Architecture	\$50,400		\$800	\$900
Electrical	\$2,500	\$2,200	\$2,200	\$2,000
Mechanical	\$5,300	\$1,300	\$2,300	\$1,400
Total	\$75,800	\$3,500	\$20,300	\$4,300
Importance Code A	\$18,300	\$500	\$15,700	\$500
Importance Code B	\$47,100	\$2,900	\$4,700	\$3,300
Importance Code C	\$10,400			\$500
Total	\$75,800	\$3,500	\$20,300	\$4,300



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 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 27
Asset # : 13993

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%			LIFE	**	5	\$34,100	
Metal Panel	10%			2048	**	5-10	\$16,700	
Metal Sect. OHD	20%			2041	**	5	\$15,200	
Windows								
Aluminum	100%			2044	**	5	\$1,200	
Parapets								
Metal Panel	100%			2048	**	5	\$6,700	
Roof								
Built-Up (BUR)	20%			2033	**	10	\$1,600	
Metal Panel	50%			2041	**	10	\$7,400	
Plaza Roof: Stone Panels	5%			2048	**			
Single Ply Membrane	25%			2033	**	10	\$2,000	
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$39,400	
Ceramic Tile	5%			2037	**	5	\$900	
Sheet Vinyl/Rubber	10%			2033	**	5	\$2,700	
Vinyl Tile	35%			2033	**	3	\$2,400	
Interior Walls								
Ceramic Tile	5%			2037	**	5	\$900	
Concrete Masonry Unit	50%			LIFE	**	5	\$7,500	
Glazed Ceramic Panel	10%			LIFE	**	10	\$1,700	
Gypsum Board	15%			LIFE	**	5-10	\$4,800	
Metal Panel	10%			LIFE	**	10	\$800	
Plaster	10%			LIFE	**	5-10	\$1,600	
Ceilings								
Metal Panel	20%			LIFE	**	5	\$9,000	
Plaster	20%			LIFE	**	5-10	\$6,200	
Plaster	60%			LIFE	**	5-10	\$18,600	
Site Pavements								
Parking/Driveway								
Cast in Place Concrete	100%			2041	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2054	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room Basement</i>								
<i>Explanation : One 400 Amperes Main Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2054	**	5	\$300	

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 27
Asset # : 13993

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	100%			2054	**	1		
Panelboards								
Fused Disc Sw	10%			2050	**	5		
Molded Case Bkrs	90%			2050	**	5	\$300	
Wiring								
Thermoplastic	100%			2054	**	1		
Motor Controllers								
Locally Mounted	100%			2045	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$400	
Stand-by Power								
Transfer Switches								
Automatic	100%			2045	**	1	\$3,700	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Two Ats</i>						
Generators								
Diesel	100%			2041	**	1	\$4,700	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Generator Room - Basement</i>						
		<i>Explanation : One 83 Kw</i>						
Batteries								
Lead/Acid	100%			2023	\$1,500	5	\$400	
Fuel Storage								
Main Tank	100%			2063	**	5	\$400	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 2366 Gallons</i>						
Lighting								
Interior Lighting								
Fluorescent	100%			2036	**	10	\$11,000	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Egress Lighting								
Emergency, Service	60%			2036	**	1		
Exit, Service	40%			2036	**	1		
Exterior Lighting								
HID	100%			2036	**	10		
Alarm								
Security System								
Generic	100%			2036	**	1	\$4,500	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Inside And Outside</i>						
		<i>Explanation : Seven CCTV Surveillance Camera</i>						

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FIRE DEPARTMENT - 057
EMS STATION 27
Asset # : 13993

Electrical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Alarm								
Fire/Smoke Detection								
Generic, Digital	100%			2036	**	1-3	\$7,400	

Mechanical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Electricity	10%			2054	**	1		
Natural Gas	90%			2054	**	1		
Conversion Equipment								
Furnace	50%			2033	**	1	\$3,000	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Roof</i>								
<i>Explanation : 3 Roof Top Package Units</i>								
Hot Water Boiler	40%			2041	**	1	\$2,400	
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : Basement Boiler Room</i>								
<i>Explanation : 1 Unit</i>								
Radiant Heater	10%			2033	**	2	\$600	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Staircases</i>								
<i>Explanation : 6 Sections Of Electric Baseboard</i>								
Distribution								
Hot Wtr Piping/Pump	40%			2050	**	4	\$200	
No Component	60%							
Terminal Devices								
Convactor/Radiator	15%			2041	**	1	\$600	
Fan Coil Unit/Heat	15%			2033	**	1	\$600	
Unit Heater - Steam	10%			2033	**	4	\$100	
No Component	60%							
Air Conditioning								
Energy Source								
Electricity	100%			2050	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	50%			2036	**	2	\$400	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Roof</i>								
<i>Explanation : 3 Roof Top Package Units. R-410a</i>								
Split Unit	10%			2033	**			
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Units. R-410a</i>								
No Component	40%							

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FIRE DEPARTMENT - 057
EMS STATION 27
Asset # : 13993

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Terminal Devices								
	Fan Coil - 2 Pipe	10%			2033	**	1	\$400
	No Component	90%						
Heat Rejection								
	Evaporative Condenser	10%			2033	**	2	\$800
	No Component	90%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$10,600
Exhaust Fans								
	Interior	15%			2033	**	2	\$100
	Roof	85%			2033	**	2	\$300
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2048	**	1	
Water Heater								
	Gas Fired	100%			2026	\$6,900	2	\$200
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Backflow Preventer								
	Generic	100%			2036	**	1	\$700
Fixtures								
	Generic	100%						
Fire Suppression								
Sprinkler								
	Generic	100%			2054	**	1-2	\$3,400

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 31 CUMBERLAND STATION
Address : 39 AUBURN PLACE @ N. PORTLAND AVE.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSEMS.031 / 13994 **Yr Built/Renovated** :
Area Sq Ft : 3,200 **Project Type** : FIRE DEPARTMENT
Date of Survey : 12-Mar-2013 **Landmark Status** : NONE
Areas Surveyed : Floors 1
Block : 2039 **Lot** : 101 **BIN** : 3251647

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Interior Architecture	\$98,800	
Total	\$98,800	
Importance Code B	\$98,800	
Total	\$98,800	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture		\$600		\$15,200
Interior Architecture	\$28,200			\$1,500
Electrical				\$14,400
Mechanical	\$7,000	\$300	\$1,000	\$200
Total	\$35,200	\$900	\$1,000	\$31,300
Importance Code A		\$600		\$15,200
Importance Code B	\$12,600	\$300	\$1,000	\$16,100
Importance Code C	\$22,600			
Total	\$35,200	\$900	\$1,000	\$31,300



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FIRE DEPARTMENT - 057
EMS STATION 31 CUMBERLAND STATION
Asset # : 13994

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	60%			LIFE	**	5	\$14,600	
Metal Coiling Doors	40%			2037	**	5	\$30,400	
Windows								
Aluminum	100%			2040	**	5	\$1,200	
Roof								
No Component	80%							
Not Accessible	20%							
Interior								
Floors								
Cast in Place Concrete	30%	Now	\$5,600	LIFE	**	5	\$11,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 100%</i>								
<i>Location : Garage Area</i>								
Ceramic Tile	5%			2033	**	5	\$900	
Vinyl Tile	65%	Now	\$59,600	2029	**	3	\$4,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	4%			2033	**	5	\$800	
Concrete Masonry Unit	1%			LIFE	**	5	\$100	
Gypsum Board	85%	0-2	\$3,300	LIFE	**	5	\$9,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	5%	Now	\$3,700	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 100%</i>								
<i>Location : Garage Area</i>								
Masonry: Limestone	5%	Now	\$15,700	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 100%</i>								
<i>Location : Interior Window Sills</i>								
Ceilings								
AcousTileSusp.Lay-In	90%	Now	\$39,300	2037	**	5	\$8,100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Exposed Concrete	10%			LIFE	**	5	\$300	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	100%			2034	**	1		

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
EMS STATION 31 CUMBERLAND STATION
Asset # : 13994

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Molded Case Bkrs	100%			2032	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : In Hallway</i>								
<i>Explanation : Breaker Panel In Use</i>								
Wiring								
Thermoplastic	100%			2034	**	1		
Motor Controllers								
Locally Mounted	100%			2022	\$14,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5		
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Basement Of Main Cumberland Building</i>								
<i>Explanation : Ground Located Elsewhere</i>								
Lighting								
Interior Lighting								
Fluorescent	100%			2024	\$8,700	10	\$2,900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-8 And T-12 Fixtures In Use</i>								
Egress Lighting								
Exit, Service	100%			2024	\$400	1		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Egress Fixtures Connected To Main Building Service</i>								
Exterior Lighting								
HID	100%			2024	\$12,100	10		
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Utilities Provided From Main Hospital Building</i>								
Conversion Equipment								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Provided From Main Hospital Building</i>								

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 31 CUMBERLAND STATION
Asset # : 13994

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Office, Break Area, Lockers</i>								
<i>Explanation : Area Served By Heating / Cooling Ducts And Diffusers</i>								
Hot Wtr Piping/Pump	50%			2040	**	4	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Garage</i>								
<i>Explanation : Hot Water System Serves Garage Unit Heaters</i>								
Terminal Devices								
Fan Coil Unit/Heat	50%	Now	\$1,100	2024	\$22,400	1	\$500	
<i>Broken, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2 Units In Garage</i>								
No Component	50%							
Air Conditioning								
Energy Source								
Not Accessible	100%							
Conversion Equipment								
Window/Wall Unit	50%			2019	\$3,100	1		
Not Accessible	50%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Offices, Break Area, Locker Area</i>								
<i>Explanation : Located In Main Hospital Building</i>								
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2	\$2,100	
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$1,800	
Exhaust Fans								
Not Accessible	100%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2044	**	1		
Water Heater								
Electric	50%			2019	\$1,300	4		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Garage</i>								
<i>Explanation : 1 - 50 Gallon Unit Serves Garage Utility Sink</i>								
No Component	50%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Locker Areas</i>								
<i>Explanation : H W Provided From Main Hospital Building</i>								
Sanitary Piping								
Cast Iron	100%	Now	\$1,100	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Hallway</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 31 CUMBERLAND STATION
Asset # : 13994

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Non-Submersible	100%			2024	\$500	4	\$100	
Fixtures Generic	100%							
Fire Suppression								
Sprinkler Generic	100%			2044	**	1-2	\$900	
Fire Pump Not Accessible	100%							
Chemical System No Component Generic	90% 10%			2019	\$200	1-3	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 32 EMS - BROOKLYN HEIGHTS/RED HOOK
Address : 347 BOND STREET @ CARROLL ST.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSEMS.032 / 13875 **Yr Built/Renovated** :
Area Sq Ft : 8,194 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Mar-2013 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 452 **Lot** : 5 **BIN** : 3007662

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$178,800	
Site Pavements	\$60,700	
Total	\$239,500	
Importance Code A	\$178,800	
Importance Code C	\$60,700	
Total	\$239,500	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$6,800	\$800		\$4,200
Interior Architecture		\$400		\$1,800
Electrical	\$2,700	\$1,300	\$1,500	\$8,600
Mechanical	\$4,500	\$1,000	\$3,500	\$5,700
Total	\$14,000	\$3,500	\$5,100	\$20,300
Importance Code A	\$7,200	\$1,200	\$400	\$4,600
Importance Code B	\$6,800	\$2,300	\$4,700	\$15,700
Importance Code C				
Total	\$14,000	\$3,500	\$5,100	\$20,300



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 32 EMS - BROOKLYN HEIGHTS/RED HOOK
Asset # : 13875

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%	0-2	\$56,600	LIFE	**	5	\$9,400	
<i>Efflorescence, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Parking Lot Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Metal Panel	10%			2044	**	5-10	\$9,200	
Metal Sect. OHD	20%			2037	**	5	\$8,400	
Windows								
Aluminum	100%			2040	**	5	\$1,500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Windows Cannot Be Unlocked - Missing Key (?)</i>								
Parapets								
Masonry: Brick	80%	Now	\$37,300	LIFE	**	5	\$3,200	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Interior Face</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Interior Face</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	20%			LIFE	**	5	\$1,000	
Roof								
Roll Roofing	100%	0-2	\$4,200	2020	\$84,900	5	\$17,200	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Over Lieutenant Office</i>								
Interior								
Floors								
Cast in Place Concrete	70%			LIFE	**	5	\$18,800	
Ceramic Tile	5%			2033	**	5	\$600	
Vinyl Tile	25%			2029	**	3	\$1,100	
Interior Walls								
Ceramic Tile	5%			2033	**	5	\$1,300	
Concrete Masonry Unit	30%			LIFE	**	5	\$3,100	
Gypsum Board	65%			LIFE	**	5	\$10,200	
Ceilings								
AcousTileSusp.Lay-In	30%			2037	**	5	\$3,700	
Exposed Struc: Steel	60%			LIFE	**			
Plaster	10%			LIFE	**	5	\$800	
Site Enclosure								
Fence/Gates								
Chain link	53%			2044	**			
Iron Picket	47%			2059	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2037	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 32 EMS - BROOKLYN HEIGHTS/RED HOOK
Asset # : 13875

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2037		**		
Parking/Driveway								
Asphalt	95%	Now	\$60,700	2037		**		
			<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>					
			<i>Location : Parking Lot</i>					
			<i>Ponding, Extent : Moderate, Area Affected : 30%</i>					
			<i>Location : Parking Lot</i>					
			<i>Potholes, Extent : Severe, Area Affected : 20%</i>					
			<i>Location : Parking Lot</i>					
Cast in Place Concrete	5%			2037		**		
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2050		**	5	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Electrical Room</i>					
			<i>Explanation : One 400 Amperes Main Disconnect Switch</i>					
Switchgear / Switchboard								
Molded Case Bkrs	100%			2050		**	5	\$200
Raceway								
Conduit	100%			2050		**	1	
Panelboards								
Fused Disc Sw	5%			2046		**	5	
Molded Case Bkrs	95%			2046		**	5	\$200
Wiring								
Thermoplastic	100%			2050		**	1	
Motor Controllers								
Locally Mounted	100%			2041		**	5	\$100
Ground								
Grounding Devices								
Generic	100%			LIFE		**	5	\$100
Stand-by Power								
Transfer Switches								
Automatic	100%			2041		**	1	\$2,500
Generators								
Diesel	100%			2037		**	1	\$3,200
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Generator Room - Outside</i>					
			<i>Explanation : One 180 Kw</i>					
Batteries								
Lead/Acid	100%			2019	\$1,500	5		\$300

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FIRE DEPARTMENT - 057
EMS STATION 32 EMS - BROOKLYN HEIGHTS/RED HOOK

Asset # : 13875

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Fuel Storage								
Day Tank	50%			2046	**	5	\$800	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room - Outside</i>								
<i>Explanation : One 150 Gallons</i>								
Main Tank	50%			2059	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Underground</i>								
<i>Explanation : One 2500 Gallons</i>								
Lighting								
Interior Lighting								
Fluorescent	100%			2032	**	10	\$7,500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Egress Lighting								
Emergency, Service	60%			2032	**	1		
Exit, Service	40%			2032	**	1		
Exterior Lighting								
HID	50%			2032	**	10		
Incandescent	50%			2032	**	2		
Alarm								
Fire/Smoke Detection								
Generic	100%			2032	**	1-3	\$5,000	

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2044	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2037	**	1	\$4,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : One Unit</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2040	**	4	\$600	
Terminal Devices								
Convactor/Radiator	50%			2037	**	1	\$1,300	
Fan Coil Unit/Heat	50%			2029	**	1	\$1,300	
Air Conditioning								
Energy Source								
Electricity	100%			2040	**	1		

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 32 EMS - BROOKLYN HEIGHTS/RED HOOK
Asset # : 13875

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	100%			2029	**	2	\$500	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2 Units On The Roof</i>								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$10,700	
Ventilation								
Exhaust Fans								
Roof	100%			2032	**	2	\$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2050	**	1		
Water Heater								
Gas Fired	100%			2022	\$4,700	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Hot Water Heater Room</i>								
<i>Explanation : 1 - 70 Gallon Unit</i>								
Sanitary Piping								
Cast Iron	100%	Now	\$2,800	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Bathrooms When It Rains</i>								
Storm Drain Piping								
Cast Iron	100%	Now	\$800	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Side Yard When It Rains</i>								
Backflow Preventer								
Generic	100%			2029	**	1	\$500	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	90%							
Generic	10%			2022	\$200	1-3	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

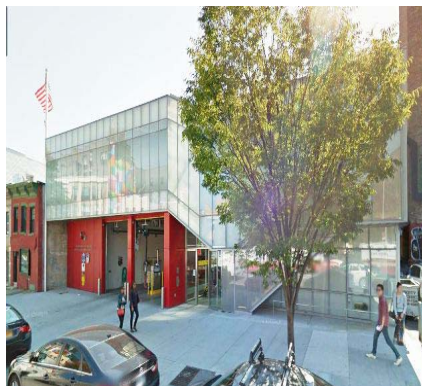
Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 35
Address : 332 METROPOLITAN AVE @ ROEBLING ST.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSEMS.035 / 14770 **Yr Built/Renovated** : 2013 /
Area Sq Ft : 10,601 **Project Type** : FIRE DEPARTMENT
Date of Survey : 29-Jan-2015 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2368 **Lot** : 12 **BIN** : 3391565

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$58,000	
Total	\$58,000	
Importance Code A	\$58,000	
Total	\$58,000	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$1,000			\$7,700
Interior Architecture	\$4,500			
Electrical	\$900	\$900	\$1,300	\$900
Mechanical	\$1,500	\$1,900	\$2,000	\$1,600
Total	\$7,900	\$2,800	\$3,300	\$10,200
Importance Code A	\$1,500	\$500	\$500	\$8,300
Importance Code B	\$5,900	\$2,300	\$2,800	\$1,900
Importance Code C	\$400			
Total	\$7,900	\$2,800	\$3,300	\$10,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 35
Asset # : 14770

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Concrete Masonry Unit	12%			LIFE	**	5	\$1,800	
Metal/Glass Curt Wall	32%			LIFE	**	5	\$14,500	
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Central Stair And Breezeway - Main Facade</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Perimeter Gaskets - Main Facade</i>								
Metal Panel	48%			2052	**	5-10	\$79,800	
Metal Sect. OHD	8%			2043	**	5	\$6,000	
Windows								
Aluminum	15%			2048	**	5	\$200	
No Component	85%							
Parapets								
Concrete Masonry Unit	45%			LIFE	**	5	\$1,300	
Metal/Glass Curt Wall	15%			2052	**	5	\$1,500	
Metal Panel	25%	Now	\$1,000	2052	**	5	\$1,300	
<i>Miss/Damaged Copings, Extent : Severe, Area Affected : 8%</i>								
<i>Location : Street Facade</i>								
<i>Other Observation, Extent : Severe, Area Affected : 8%</i>								
<i>Location : Street Facade At Pedestrian Entrance</i>								
<i>Explanation : Water Cascading From Coping Above And Then Freezing Causes Icicles To Drop Onto Sidewalk</i>								
Metal: Cage/Fence	15%			2043	**	5-10	\$3,100	
Roof								
IRMA/Protected Membrane	60%			2034	**	10	\$9,600	
Plaza Roof: Stone Panels	15%			2052	**			
Skylight, Metal/Glass	13%			2052	**	10	\$7,000	
Sloped Glazing	12%			LIFE	**	5	\$25,700	
Interior								
Floors								
Cast in Place Concrete	65%			LIFE	**	5	\$22,600	
Ceramic Tile	3%			2039	**	5	\$500	
Sheet Vinyl/Rubber	32%			2034	**	5	\$7,600	
Interior Walls								
Cast in Place Concrete	15%			LIFE	**			
Ceramic Tile	2%			2039	**	5	\$900	
Concrete Masonry Unit	40%			LIFE	**	5	\$7,000	
Concrete Masonry Unit	15%			LIFE	**	5	\$2,600	
Glass: Single Pane	10%			LIFE	**	5	\$3,300	
Gypsum Board	15%			LIFE	**	5	\$3,900	
Metal Panel	3%			LIFE	**			

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 35
Asset # : 14770

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Interior

Ceilings

Acous Tile, Adhered	20%			2043	**	5	\$3,100	
Acous Tile Susp. Lay-In	25%			2043	**	5	\$3,800	
Exposed Concrete	20%			LIFE	**	5	\$500	
Gypsum Board	10%			LIFE	**	5	\$1,900	
Metal Panel	25%			LIFE	**	5	\$4,800	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2056	**	5		
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Electrical Room

Explanation : One 600 Amperes Main Disconnect Switch

Switchgear / Switchboard

Fused Disc Sw	100%			2056	**	5		
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Raceway

Conduit	100%			2056	**	1		
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Panelboards

Fused Disc Sw	5%			2051	**	5		
Molded Case Bkrs	95%			2051	**	5	\$300	

Wiring

Thermoplastic	100%			2056	**	1		
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Motor Controllers

Locally Mounted	100%			2046	**	5	\$100	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : 1st Floor Hallway

Explanation : Motor Controllers Connected To Energy Management Control Corp. Under BMS

Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$200	
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Lighting

Interior Lighting

Fluorescent	90%			2036	**	10	\$8,800	
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T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%

Location : Throughout The Building

Fluorescent	10%			2036	**	10	\$1,000	
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Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%

Location : Throughout The Building

Egress Lighting

Emergency, Battery	50%			2036	**	10	\$1,300	
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Exit, Service	50%			2036	**	1		
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 35
Asset # : 14770

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting								
Fluorescent	40%			2036	**	10	\$400	
HID	60%			2036	**	10		

Alarm

Security System								
No Component	30%							
Generic	70%			2036	**	1	\$2,800	
Fire/Smoke Detection								
Generic, Digital	100%			2036	**	1-3	\$6,500	

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source								
Natural Gas	100%			2056	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2046	**	1	\$5,200	
			<i>Recent Installation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1 Unit In The Basement</i>					
Distribution								
Hot Wtr Piping/Pump	100%			2051	**	4	\$800	
Terminal Devices								
Air Handler	60%			2036	**	1	\$3,900	
Fan Coil Unit/Heat	20%			2036	**	1	\$700	
Unit Heater - Steam	20%			2036	**	4	\$300	

Air Conditioning

Energy Source								
Electricity	100%			2051	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	75%			2036	**	2	\$500	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : On The Roof</i>					
			<i>Explanation : Two Units</i>					
No Component	25%							

Ventilation

Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,900	
Exhaust Fans								
Interior	10%			2036	**	2		
Roof	90%			2036	**	2	\$300	

Plumbing

H/C Water Piping								
Brass/Copper	100%			2056	**	1		

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 35
Asset # : 14770

Mechanical		Current Repair		Future Replacement		Maintenance		Priority	
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing									
	Water Heater								
	Gas Fired	100%			2026	\$6,000	2	\$200	
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sewage Ejector(s)								
	Electric	100%			2036	* *	4	\$600	
	Backflow Preventer								
	Generic	100%			2036	* *	1	\$700	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Sprinkler								
	No Component	10%							
	Generic	90%			2056	* *	1-2	\$2,700	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 38 WINGATE STATION
Address : 554 WINTHROP STREET @ KINGS COUNTY HOSPITAL
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSEMS.038 / 13720 **Yr Built/Renovated** : 2005 /
Area Sq Ft : 5,975 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Mar-2013 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1
Block : 4829 **Lot** : 1 **BIN** : 3327722

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$69,100
Total		\$69,100
Importance Code A		\$69,100
Total		\$69,100

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$600	\$300		
Interior Architecture		\$300		\$1,800
Electrical	\$5,900	\$700	\$500	\$500
Mechanical	\$600	\$200	\$3,400	\$3,600
Total	\$7,000	\$1,500	\$4,000	\$5,900
Importance Code A	\$1,000	\$400	\$400	\$100
Importance Code B	\$6,000	\$1,000	\$3,500	\$5,800
Importance Code C				
Total	\$7,000	\$1,500	\$4,000	\$5,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
EMS STATION 38 WINGATE STATION
Asset # : 13720

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Concrete Masonry Unit	30%			LIFE	**	5	\$3,000	
Masonry: Brick	60%			LIFE	**	5	\$9,600	
Metal Panel	10%	0-2	\$600	2044	**	5	\$3,000	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%			2040	**	5	\$600	
Parapets								
Concrete Masonry Unit	20%			LIFE	**	5	\$400	
Masonry: Brick	80%			LIFE	**	5	\$1,300	
Roof								
Roll Roofing	100%			2023	\$69,100	5	\$27,900	
Interior								
Floors								
Cast in Place Concrete	70%			LIFE	**	5	\$13,700	
Ceramic Tile	5%			2033	**	5	\$400	
Vinyl Tile	25%			2029	**	3	\$800	
Interior Walls								
Ceramic Tile	5%			2033	**	5	\$500	
Concrete Masonry Unit	50%			LIFE	**	5	\$2,100	
Gypsum Board	40%			LIFE	**	5	\$2,600	
Masonry: Brick	5%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	40%			2037	**	5	\$3,600	
Exposed Struc: Steel	60%			LIFE	**			
Site Enclosure								
Fence/Gates								
Iron Picket	50%			2059	**			
Iron Picket	50%			2059	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2037	**			
On-Site Walkways								
Cast in Place Concrete	100%			2037	**			
Parking/Driveway								
Asphalt	100%			2033	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 38 WINGATE STATION
Asset # : 13720

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2044	**	5	\$200	
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Electrical Room</i>							
	<i>Explanation : 1- 400 Amperes Main Breaker Part Of Unit</i>							
Raceway								
Conduit	100%			2044	**	1		
Panelboards								
Molded Case Bkrs	100%			2040	**	5	\$200	
Wiring								
Thermoplastic	100%			2044	**	1		
Motor Controllers								
Locally Mounted	90%			2037	**	5		
Motor Control Center	10%			2037	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Mechanical Room</i>							
	<i>Explanation : Ground Connection</i>							
Stand-by Power								
Transfer Switches								
Automatic	100%			2037	**	1	\$1,800	
Generators								
Not Accessible	100%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location : Outside Parking lot</i>							
	<i>Explanation : Generator Not Connected - Door Locked, No Key On Premises</i>							
Batteries								
Not Accessible	100%							
Fuel Storage								
Main Tank	100%			2039	**	5	\$200	
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Parking Lot</i>							
	<i>Explanation : 75 Gallons</i>							
Lighting								
Interior Lighting								
Fluorescent	95%			2029	**	10	\$5,200	
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
	<i>Explanation : T-8 Fixtures In Use</i>							
HID	5%			2029	**	10		
Egress Lighting								
Exit, Service	100%			2029	**	1		
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
	<i>Explanation : Fixtures Connected To Building Main Power Supply</i>							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
EMS STATION 38 WINGATE STATION
Asset # : 13720

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting

HID

100%

2024

\$22,500

10

Alarm

Fire/Smoke Detection

Generic

100%

2029

* *

1-3

\$3,700

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2044

* *

1

Conversion Equipment

Furnace

50%

2029

* *

1

\$1,500

*Other Observation, Extent : Light, Area Affected : 50%**Location : Roof**Explanation : (1) Gas Fired Packaged Roof Top Unit*

Radiant Heater

50%

2029

* *

2

\$1,400

*Other Observation, Extent : Light, Area Affected : 50%**Location : Garage Ceiling**Explanation : (4) Gas Fired Space Heaters*

Distribution

Ductwork/Diffusers

100%

LIFE

* *

2-5

\$3,300

Air Conditioning

Energy Source

Electricity

100%

2046

* *

1

Conversion Equipment

Ext Pkg Unit -

Heating/Cooling

100%

2029

* *

2

\$400

Distribution

Ductwork/Diffusers

100%

LIFE

* *

2

\$7,800

Ventilation

Distribution

Ductwork/Diffusers

100%

LIFE

* *

2-5

\$3,300

Exhaust Fans

Roof

100%

2029

* *

2

\$200

Plumbing

H/C Water Piping

Brass/Copper

100%

2050

* *

1

Water Heater

Gas Fired

100%

2022

\$3,400

2

\$100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Utility Closet**Explanation : 1 - 80 Gallon Unit*

Sanitary Piping

Cast Iron

100%

LIFE

* *

1

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FIRE DEPARTMENT - 057
EMS STATION 38 WINGATE STATION
Asset # : 13720

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Backflow Preventer							
	Generic	100%			2029	**	1	\$400
	Fixtures							
	Generic	100%						

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 39 PENNSYLVANIA STATION
Address : 265 PENNSYLVANIA AVE. BTWN PITKIN AVE - BELMONT AVE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSEMS.039 / 13997 **Yr Built/Renovated** :
Area Sq Ft : 10,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Nov-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1
Block : 3738 **Lot** : 7 **BIN** : 3048341

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$575,000	
Interior Architecture	\$429,400	
Electrical		\$138,100
Total	\$1,004,400	\$138,100
Importance Code A	\$575,000	
Importance Code B	\$240,100	\$138,100
Importance Code C	\$189,300	
Total	\$1,004,400	\$138,100

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$24,500			
Interior Architecture	\$88,000			\$400
Electrical	\$16,800	\$700	\$700	\$1,700
Mechanical	\$6,700	\$800	\$700	\$800
Site Pavements	\$3,200			
Total	\$139,200	\$1,500	\$1,400	\$2,900
Importance Code A	\$25,000	\$500	\$500	\$500
Importance Code B	\$53,500	\$1,000	\$900	\$2,400
Importance Code C	\$60,700			
Total	\$139,200	\$1,500	\$1,400	\$2,900



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
EMS STATION 39 PENNSYLVANIA STATION
Asset # : 13997

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	2%	Now	\$400	LIFE	**	5	\$1,800	
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Base Of Building - Street Facade</i>								
Cast Stone/Terra Cotta	3%			LIFE	**	5	\$8,200	
Masonry: Brick	38%	0-2	\$4,000	LIFE	**	5	\$6,700	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : Street Facade</i>								
Masonry: Brick	52%	Now	\$82,500	LIFE	**	5	\$9,100	
<i>Diagonal Cracks, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Rear Walls And Rear Corners - Tree Roots Encroaching From Adjoining Lot</i>								
<i>Repointing Failure, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Side And Rear Walls</i>								
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Side And Rear Walls</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Side And Rear Walls</i>								
Metal Sect. OHD	5%	0-2	\$2,700	2041	**	5	\$1,400	
<i>Deformed/Dented, Extent : Light, Area Affected : 15%</i>								
<i>Location : Side Wall Of Overhead Door</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Jamb - Metal Door</i>								
Windows								
Glass Block	100%			LIFE	**	5	\$5,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Street Facade</i>								
<i>Explanation : Most Wall Penetrations Have Been Brick Over. Glass Block Covers Less Than 2% Of Facade.</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 39 PENNSYLVANIA STATION
Asset # : 13997

Architecture		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Parapets								
Cast Stone/Terra Cotta	5%	Now	\$13,100	LIFE	**	5	\$800	
<i>Crazing, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout Coping</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout Coping</i>								
Cast Stone/Terra Cotta	2%			LIFE	**	5-10	\$1,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Street Facade</i>								
<i>Explanation : Decorative Element</i>								
Masonry: Brick	30%	Now	\$35,600	LIFE	**	5	\$600	1
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Rear And Side Parapet Walls</i>								
<i>Spalling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Rear And Side Parapet Walls</i>								
Masonry: Brick	25%	4+	\$1,500	LIFE	**	5	\$500	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Street Facade</i>								
Metal: Cage/Fence	35%	Now	\$300	2041	**	5	\$2,300	
<i>Loose/Miss Fasteners, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Anchor Plates - Exterior Parapet Wall</i>								
Pre-Cast Concrete	3%			LIFE	**	5	\$800	
Roof								
Modified Bitumen	90%	Now	\$118,200	2038	**			1
<i>Blisters, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout Roof</i>								
<i>Miss/Damaged Flashings, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Improper Termination Of Roof Material With No Flashing - Perimeter Walls</i>								
<i>Seams Open/Split, Extent : Severe, Area Affected : 25%</i>								
<i>Location : At All Improperly Patched Areas.</i>								
Skylight, Metal/Glass	10%	Now	\$333,100	2058	**			1
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Mullions Corroded Throughout Both Lights</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : At Curbs Of Both Lights</i>								
Interior								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 39 PENNSYLVANIA STATION
Asset # : 13997

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	80%	0-2	\$144,900	LIFE	**	5	\$30,500	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : At Trench Drain</i>								
<i>Drains Inad/Misposn, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Apparatus Floor Improperly Pitched To Drains - Water Runs Into Locker Rooms</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout Apparatus Floor - At All Joints, Apron, Floor Drains And Thresholds</i>								
Vinyl Tile	20%	0-2	\$11,800	2028	\$29,600	3	\$1,300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : At Thresholds</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Corridors And Locker Rooms</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Locker Rooms And Kitchen Pantry</i>								
Interior Walls								
Ceramic Tile	5%	Now	\$31,900	2043	**	5	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Toilet Rooms / Locker Rooms</i>								
Concrete Masonry Unit	10%	0-2	\$10,300	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Gypsum Board	5%	Now	\$1,400	LIFE	**	5	\$700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Base Of Walls Throughout</i>								
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	70%	0-2	\$189,300	LIFE	**			
<i>Diagonal Cracks, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Apparatus Walls, Storage Area In Rear Of Building</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Base Of Rear Wall In Storage Area</i>								
Masonry: Fieldstone	5%	2-4	\$7,800	LIFE	**			
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement / Crawl Space Area</i>								
<i>Explanation : Joint Erosion</i>								
Plaster	5%	Now	\$9,300	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Bathroom Areas / At Showers</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Bathroom Areas / At Showers</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
EMS STATION 39 PENNSYLVANIA STATION
Asset # : 13997

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Interior

Ceilings

AcousTileConcealSpLn	10%	0-2	\$14,100	2048	**	5	\$1,100	
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*Cracking/Crumbling, Extent : Severe, Area Affected : 50%**Location : Throughout**Misaligned/Bulging, Extent : Severe, Area Affected : 20%**Location : Bathrooms / Locker Rooms**Water Penetration, Extent : Moderate, Area Affected : 20%**Location : Bathrooms / Locker Rooms*

AcousTileSusp.Lay-In	5%	0-2	\$1,400	2033	**	5	\$400	
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*Staining/Discoloring, Extent : Moderate, Area Affected : 15%**Location : Offices*

Exposed Concrete	85%	0-2	\$95,200	LIFE	**	5	\$2,300	
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*Spalling, Extent : Moderate, Area Affected : 20%**Location : At Roof Penetrations Throughout Apparatus Floor**Worn/Eroded, Extent : Moderate, Area Affected : 15%**Location : Various Locations Throughout*

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%	4+	\$3,200	2033	**			
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*Other Observation, Extent : Moderate, Area Affected : 30%**Location : At Apron Leading To Apparatus Floor**Explanation : Stained/ Discolored*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2028	\$4,800	5		
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Basement**Explanation : Two 200 Amperes Main Disconnect Switch*

Raceway

Conduit	95%			2028	\$29,700	1		
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Conduit	5%			2048	**	1		
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Panelboards

Fused Disc Sw	5%			2027	\$1,900	5		
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Molded Case Bkrs	90%			2027	\$34,600	5	\$200	
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Molded Case Bkrs	5%			2044	**	5		
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Wiring

Thermoplastic	95%			2028	\$26,300	1		
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Thermoplastic	5%			2048	**	1		
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Motor Controllers

Locally Mounted	100%			2026	\$14,400	5	\$100	
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Ground

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 39 PENNSYLVANIA STATION
Asset # : 13997

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Generic	100%	Now	\$9,500	LIFE	**	5	\$100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Water Main Basement</i>								
<i>Explanation : Corroded</i>								
Stand-by Power								
Transfer Switches Automatic	100%			2026	\$4,800	1	\$3,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Ats</i>								
Generators Diesel	100%			2024	\$65,700	1	\$3,900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room, Garage</i>								
<i>Explanation : One 81 Kva</i>								
Batteries Lead/Acid	100%			2019	\$1,500	5	\$400	
Fuel Storage Day Tank	100%			2027	\$700	5	\$1,900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room, Garage</i>								
<i>Explanation : One 60 Gallons</i>								
Lighting								
Interior Lighting Fluorescent	50%			2033	**	10	\$4,600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Garage And Supply Room</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	50%			2023	\$13,500	10	\$4,600	
<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Office, Locker Room, Bathroom And Hallway</i>								
Egress Lighting Emergency, Service	40%			2023	\$2,000	1		
Emergency, Service	10%			2033	**	1		
Emergency, Battery	10%			2023	\$1,300	10	\$200	
Exit, Service	40%			2023	\$400	1		
Exterior Lighting HID	100%			2023	\$37,700	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2038	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 39 PENNSYLVANIA STATION
Asset # : 13997

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment								
Furnace	20%			2036	**	1	\$1,000	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Storage Room</i>								
<i>Explanation : 1 Unit</i>								
Furnace	60%			2028	\$13,200	1	\$3,000	
<i>Other Observation, Extent : Light, Area Affected : 60%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : 3 Units</i>								
Hot Water Boiler	20%			2033	**	1	\$1,000	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Hot Wtr Piping/Pump	20%			2027	\$2,900	4	\$100	
No Component	80%							
Terminal Devices								
Convactor/Radiator	20%			2026	\$10,000	1	\$700	
No Component	80%							
Air Conditioning								
Energy Source								
Electricity	100%			2036	**	1		
Conversion Equipment								
Split Unit	10%			2036	**			
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Womens Locker Room</i>								
<i>Explanation : 1 Unit. R-410a</i>								
Window/Wall Unit	20%			2023	\$3,900	1		
No Component	70%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2036	**	1	\$300	
No Component	90%							
Heat Rejection								
Evaporative Condenser	10%			2036	**	2	\$700	
No Component	90%							
Ventilation								
Exhaust Fans								
Roof	100%	Now	\$1,600	2023	\$15,500	2	\$200	
<i>Not in Service, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 1 Unit, Roof</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Garage Ceiling</i>								
<i>Explanation : 2 Units</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2048	**	1		

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 39 PENNSYLVANIA STATION
Asset # : 13997

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Water Heater Gas Fired	100%			2026	\$5,700	2	\$100	
Sanitary Piping Cast Iron	100%	Now	\$3,400	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Garage Sewage Drain Line</i>								
Storm Drain Piping Cast Iron	100%	Now	\$1,000	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Office Area</i>								
Sump Pump(s) Non-Submersible	100%			2023	\$1,400	4	\$300	
Fixtures Generic	100%							
<i>Obsolete Fixtures, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 4 LOWER EAST SIDE OP
Address : PIER 36 EAST RIVER
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSEMS.004 / 13982 **Yr Built/Renovated** : 1984 / 1999
Area Sq Ft : 20,040 **Project Type** : FIRE DEPARTMENT
Date of Survey : 14-Nov-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,3
Block : 241 **Lot** : 13 **BIN** : 1811158

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$225,500	\$40,900
Interior Architecture	\$163,100	
Electrical		\$274,700
Mechanical		\$45,500
Site Pavements	\$56,800	
Total	\$445,400	\$361,100
Importance Code A	\$225,500	\$40,900
Importance Code B	\$79,400	\$320,200
Importance Code C	\$140,500	
Total	\$445,400	\$361,100

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$96,500		\$2,700	
Interior Architecture	\$81,600			\$2,200
Electrical	\$6,400	\$3,300	\$3,400	\$5,200
Mechanical	\$18,900	\$3,100	\$5,600	\$2,900
Site Enclosure	\$29,200			
Total	\$232,600	\$6,400	\$11,600	\$10,300
Importance Code A	\$97,400	\$1,100	\$3,600	\$1,100
Importance Code B	\$100,900	\$5,300	\$8,100	\$9,200
Importance Code C	\$34,300			
Total	\$232,600	\$6,400	\$11,600	\$10,300



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FIRE DEPARTMENT - 057
EMS STATION 4 LOWER EAST SIDE OP
Asset # : 13982

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	5%	Now	\$2,400	LIFE	**	5	\$10,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : West Side At Roof Level</i>								
Masonry: Brick	73%	0-2	\$93,900	LIFE	**	5	\$31,200	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : North Facade</i>								
Metal Panel	2%	Now	\$600	2048	**	5	\$1,600	
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : North Side</i>								
<i>Explanation : Damaged Metal Panels</i>								
Metal Coiling Doors	4%			2041	**	5	\$5,300	
Metal Coiling Doors	1%	Now	\$24,200	2048	**	5	\$700	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Pre-Cast Concrete	15%			LIFE	**	5	\$41,600	
Windows								
Aluminum	100%	2-4	\$131,600	2053	**	5	\$1,600	
<i>Glazing Clouded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast in Place Concrete	98%	0-2	\$25,200	LIFE	**	5	\$40,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Metal Panel	2%	0-2	\$600	2048	**	5	\$200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Roof								
Built-Up (BUR)	95%	0-2	\$19,600	2033	**			
<i>Miss/Damaged Flashings, Extent : Severe, Area Affected : 95%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : North Drain</i>								
<i>Water Penetration, Extent : Light, Area Affected : 2%</i>								
<i>Location : 3rd Floor Work Area</i>								
Roll Roofing	5%	0-2	\$3,100	2030	**	5	\$600	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Interior								

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FIRE DEPARTMENT - 057
EMS STATION 4 LOWER EAST SIDE OP
Asset # : 13982

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	45%	0-2	\$30,600	LIFE	**	5	\$32,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Mezzanine Level</i>								
Ceramic Tile	2%	0-2	\$600	2037	**	5	\$300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	53%	Now	\$29,500	2033	**	3	\$6,500	
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : First Floor Throughout</i>								
Interior Walls								
Ceramic Tile	2%	0-2	\$1,200	2037	**	5	\$400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Concrete Masonry Unit	86%	Now	\$83,800	LIFE	**	5	\$15,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : First Floor Truck Port</i>								
Gypsum Board	5%			LIFE	**	5-10	\$3,700	
Masonry: Brick	2%			LIFE	**	10	\$300	
Plaster	5%			LIFE	**	5-10	\$1,900	
Ceilings								
AcousTileSusp.Lay-In	60%	Now	\$79,400	2033	**	5	\$9,800	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Third Floor Office</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Third Floor Office</i>								
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Third Floor Work Area</i>								
<i>Explanation : Damaged Ceiling Tiles</i>								
Exposed Concrete	35%			LIFE	**	5-10	\$14,300	
Exposed Struc: Steel	5%			LIFE	**	10	\$3,300	
Site Enclosure								
Fence/Gates								
Chain link	100%	Now	\$29,200	2038	**			
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Northeast Corner</i>								
<i>Explanation : Structural Member Is Leaning At An Extreme Angle</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2041	**			
On-Site Walkways								
Cast in Place Concrete	100%			2041	**			

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FIRE DEPARTMENT - 057
EMS STATION 4 LOWER EAST SIDE OP
Asset # : 13982

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

Parking/Driveway

Asphalt

90% 0-2 \$56,800 2031 **

*Cracking/Crumbling, Extent : Moderate, Area Affected : 10%**Location : Throughout*

Cast in Place Concrete

10% 2041 **

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw

100% 2048 ** 5 \$100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Electrical Room**Explanation : Main Service Switch Rated @ 3000 Amperes.*

Transformers

Dry Type

100% 2041 ** 5 \$100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Electrical Room**Explanation : 1000kva, 480/277/208 Volts*

Switchgear / Switchboard

Fused Disc Sw

100% 2048 ** 5 \$100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Electrical Room**Explanation : 2- Vertical Sections*

Raceway

Conduit

80% 2048 ** 1

Conduit

20% 2028 \$6,300 1

Panelboards

Fused Disc Sw

2% 2027 \$800 5

Molded Case Bkrs

80% 2044 ** 5 \$400

Molded Case Bkrs

18% 2027 \$6,900 5 \$100

Wiring

Thermoplastic

20% 2028 \$5,500 1

Thermoplastic

80% 2048 ** 1

Motor Controllers

Locally Mounted

100% 2026 \$14,400 5 \$100

Ground

Grounding Devices

Generic

100% LIFE ** 5 \$600

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Boiler Room**Explanation : Connected To Metal Water Pipe*

Stand-by Power

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FIRE DEPARTMENT - 057
EMS STATION 4 LOWER EAST SIDE OP
Asset # : 13982

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Transfer Switches Automatic	100%			2041	**	1	\$6,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Service Room</i>								
<i>Explanation : Asco Type Switch, 200 A</i>								
<hr/>								
Generators Diesel	100%			2037	**	1	\$7,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 80 Kva</i>								
<hr/>								
Batteries Lead/Acid	100%			2022	\$1,500	5	\$700	
<hr/>								
Fuel Storage Day Tank	100%			2044	**	5	\$3,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Belly Tank / Outside</i>								
<i>Explanation : 60 Gallons</i>								
<hr/>								
Lighting								
Interior Lighting Fluorescent	90%			2033	**	10	\$16,500	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<hr/>								
HID	10%			2028	\$2,000	10	\$100	
<hr/>								
Egress Lighting Emergency, Battery	50%			2033	**	10	\$2,400	
Exit, Battery	50%			2033	**	10	\$700	
<hr/>								
Exterior Lighting HID	100%			2033	**	10	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside/ Perimeter</i>								
<i>Explanation : 16 Hid Light Fixtures</i>								
<hr/>								
Alarm								
Security System Generic	100%			2028	\$60,500	1	\$7,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 13 CCTV Surveillance Cameras</i>								
<hr/>								
Fire/Smoke Detection Generic, Analog	100%			2028	\$207,200	1-3	\$12,700	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Hallways And Office</i>								
<i>Explanation : Manual Pull Station, Strobe Lights, Horns</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

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FIRE DEPARTMENT - 057
EMS STATION 4 LOWER EAST SIDE OP
Asset # : 13982

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Electricity	10%			2048	**	1		
Natural Gas	90%			2048	**	1		
Conversion Equipment								
Hot Water Boiler	90%			2045	**	1	\$8,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : One Unit</i>								
Radiant Heater	10%			2028	\$33,200	2	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd Floor Men And Womens Locker Rooms</i>								
<i>Explanation : Trane Electric Cabinet Unit Heater</i>								
Distribution								
Hot Wtr Piping/Pump	100%	0-2	\$600	2044	**	4	\$1,000	
<i>Insul. Deteriorating, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Terminal Devices								
Convactor/Radiator	80%			2041	**	1	\$5,200	
Unit Heater - Steam	20%			2028	\$13,400	4	\$500	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : 1st Floor Ceiling</i>								
<i>Explanation : Good Condition</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2044	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	30%			2028	\$45,500	2	\$400	
Window/Wall Unit	60%	Now	\$4,700	2023	\$23,400	1		
<i>Broken, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Office Area</i>								
No Component	10%							
Distribution								
Ductwork/Diffusers	30%			LIFE	**	2	\$9,800	
No Component	70%							
Ventilation								
Distribution								
Ductwork/Diffusers	60%			LIFE	**	2-5	\$10,600	
No Component	40%							
Exhaust Fans								
Roof	100%			2033	**	2	\$600	
Plumbing								
H/C Water Piping								
Brass/Copper	100%	Now	\$2,800	2048	**	1		
<i>Leak Evident, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Mens Locker Room</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 4 LOWER EAST SIDE OP
Asset # : 13982

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Water Heater Gas Fired	100%			2028	\$11,400	2	\$300
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Boiler Room</i>					
			<i>Explanation : 1 - 74 Gallon Unit</i>					
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Fixtures Generic	100%						
Fire Suppression								
	Standpipe Generic	100%			2054	**	1-5	\$10,100
	Sprinkler Generic	100%			2048	**	1-2	\$5,600
	Chemical System Dry	10%			2026	\$200	1-3	\$400
			<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : Pcl-160</i>					
	No Component Generic	80%			2023	\$200	1-3	\$400
		10%						
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Fire Extinguishers</i>					

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 43 GRAVESEND STATION
Address : CONEY ISLAND HOSPITAL 2601 OCEAN PARKWAY
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSEMS.043 / 14009 **Yr Built/Renovated** : 1954 / 2013
Area Sq Ft : 4,136 **Project Type** : FIRE DEPARTMENT
Date of Survey : 08-Apr-2013 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 7239 **Lot** : 1 **BIN** : 3337274

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$109,500	
Interior Architecture	\$175,300	\$35,400
Total	\$284,700	\$35,400
Importance Code A	\$109,500	
Importance Code B		\$35,400
Importance Code C	\$175,300	
Total	\$284,700	\$35,400

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$36,100			
Interior Architecture	\$17,300	\$100		\$1,100
Electrical				
Mechanical	\$2,100	\$200	\$200	\$200
Total	\$55,500	\$300	\$200	\$1,400
Importance Code A	\$36,100			
Importance Code B	\$19,400	\$300	\$200	\$1,400
Importance Code C				
Total	\$55,500	\$300	\$200	\$1,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 43 GRAVESEND STATION
Asset # : 14009

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$58,600	LIFE	**	5	\$19,500	
<i>Horizontal Cracks, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Main Entrance</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout Entire Facade</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 10%</i>								
<i>Location : At Entrance</i>								
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over Main Entrance</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Building Is Undergoing Construction / Repair - Not Currently In Operation</i>								
Metal Sect. OHD	20%			2029	**	5	\$15,200	
Windows								
Aluminum	100%	2-4	\$50,800	2049	**	5	\$600	
<i>Air Infiltration, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	100%	Now	\$10,000	LIFE	**	5	\$1,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Roof								
Built-Up (BUR)	50%	0-2	\$18,600	2034	**			
<i>Blisters, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Flat Section</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Flat Section</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Flat Section</i>								
Modified Bitumen	50%			2024		10	\$4,100	
Interior								
Floors								
Cast in Place Concrete	90%	0-2	\$16,800	LIFE	**	5	\$35,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2033	**	5	\$900	
Vinyl Tile	5%			2029	**	3	\$300	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 43 GRAVESEND STATION
Asset # : 14009

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Interior

Interior Walls

Ceramic Tile	5%			2033	**	5	\$900	
Concrete Masonry Unit	15%			LIFE	**	5	\$1,100	
Gypsum Board	20%			LIFE	**	5	\$2,300	
Masonry: Brick	60%	Now	\$175,300	LIFE	**			

Cracking/Crumbling, Extent : Severe, Area Affected : 40%

Location : Throughout

Misaligned/Bulging, Extent : Severe, Area Affected : 50%

Location : Throughout

Ceilings

AcousTileConcealSpLn	10%			2037	**	5	\$2,300	
AcousTileSusp.Lay-In	5%			2029	**	5	\$900	
Exposed Concrete	80%			LIFE	**	5	\$2,300	
Plaster	5%			LIFE	**	5	\$600	

Water Penetration, Extent : Light, Area Affected : 5%

Location : Tour Lieutenant Office

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Raceway

Conduit	20%			2024	\$6,300	1		
Under Construction	80%							

Other Observation, Extent : Light, Area Affected : 0%

Location : Throughout

Explanation : Electrical Systems Damaged By Super Storm Sandy

Panelboards

Fused Disc Sw	5%			2023	\$1,900	5		
Molded Case Bkrs	30%			2023	\$11,500	5		
Under Construction	65%							

Wiring

Thermoplastic	20%			2024	\$5,500	1		
Under Construction	80%							

Motor Controllers

Under Construction	100%							
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Ground

Grounding Devices

Under Construction	100%							
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Lighting

Interior Lighting

Fluorescent	20%			2024	\$2,200	10	\$800	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Offices

Explanation : T-8 Fixtures

Under Construction	80%							
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 43 GRAVESEND STATION
Asset # : 14009

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Egress Lighting
Under Construction 100%

Exterior Lighting
Under Construction 100%

Alarm

Security System
Under Construction 100%

Fire/Smoke Detection
Under Construction 100%

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source
Plant Campus Steam / PRV 100% 2034 * * 1

Other Observation, Extent : Moderate, Area Affected : 100%

Location : Power Plant

Explanation : Steam Provided From Adjacent Power Plant Building

Distribution

Central Plant Steam Piping/Pmp 100% 2034 * * 4 \$200

Other Observation, Extent : Severe, Area Affected : 100%

Location : Throughout

Explanation : Undergoing Construction At Time Of Survey - Mechanical Systems Damaged By Superstorm Sandy

Terminal Devices

Air Handler 40% 2024 \$21,800 1 \$1,000

Other Observation, Extent : Moderate, Area Affected : 100%

Location : Throughout

Explanation : Undergoing Construction At Time Of Survey

Convactor/Radiator 10% 2029 * * 1 \$100

Other Observation, Extent : Moderate, Area Affected : 100%

Location : 1st Floor Offices

Explanation : Undergoing Construction At Time Of Survey

Unit Heater - Steam 50% 2024 \$6,900 4 \$300

Air Conditioning

Energy Source
Electricity 100% 2032 * * 1

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 43 GRAVESEND STATION
Asset # : 14009

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Exterior Pkg Unit - Cooling	25%			2024	\$7,800	2	\$100
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Undergoing Construction At Time Of Survey</i>								
	Window/Wall Unit	25%			2019	\$2,000	1	
	No Component	50%						
Ventilation								
Distribution								
	Ductwork/Diffusers	40%			LIFE	**	2-5	\$900
	No Component	60%						
Plumbing								
H/C Water Piping								
	Galvanized Steel	100%			2029	**	1	
Water Heater								
	Under Construction	100%						
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Undergoing Construction At Time Of Survey</i>								
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Undergoing Construction At Time Of Survey</i>								
Fixtures								
	Generic	100%						
Fire Suppression								
Standpipe								
	Under Construction	100%						
Sprinkler								
	Under Construction	100%						
Fire Pump								
	Under Construction	100%						
Chemical System								
	Under Construction	100%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 44 BROWNSVILLE STATION
Address : 266 ROCKAWAY AVE. @ BERGEN ST.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSEMS.044 / 13998 **Yr Built/Renovated** :
Area Sq Ft : 8,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 18-Mar-2013 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 1448 **Lot** : 40 **BIN** : 3038942

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Interior Architecture		\$120,500
Electrical		\$65,700
Site Pavements		\$47,200
Total		\$233,400
Importance Code B		\$134,500
Importance Code C		\$98,900
Total		\$233,400

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$14,900	\$600		\$31,200
Interior Architecture	\$13,600		\$1,000	\$1,400
Electrical	\$2,400	\$600	\$600	\$700
Mechanical	\$47,600	\$900	\$800	\$900
Site Enclosure				\$3,400
Total	\$78,500	\$2,100	\$2,300	\$37,500
Importance Code A	\$49,700	\$1,000	\$400	\$31,600
Importance Code B	\$28,700	\$1,100	\$1,900	\$1,600
Importance Code C				\$4,300
Total	\$78,500	\$2,100	\$2,300	\$37,500



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 44 BROWNSVILLE STATION
Asset # : 13998

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Metal Sect. OHD	10%			2037	**	5	\$7,600	
Stucco Cement	90%			2037	**	5	\$54,700	
Windows								
Aluminum	100%			2040	**	5	\$1,200	
Roof								
Metal Panel	100%			2029	**	10	\$14,900	
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$19,700	
Ceramic Tile	5%			2027	\$17,400	5	\$900	
Vinyl Tile	45%			2024	\$68,800	3	\$3,000	
Interior Walls								
Ceramic Tile	10%			2027	\$51,700	5	\$1,900	
Concrete Masonry Unit	30%			LIFE	**	5	\$2,300	
Gypsum Board	60%			LIFE	**	5	\$6,800	
Ceilings								
AcousTileSusp.Lay-In	50%			2029	**	5	\$9,000	
Gypsum Board	50%	Now	\$9,100	LIFE	**	5	\$11,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
Site Enclosure								
Fence/Gates								
Chain link	90%			2034	**			
Wood	10%			2022	\$3,400			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2029	**			
Parking/Driveway								
Asphalt	85%			2027	\$47,200			
Cast in Place Concrete	15%			2029	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2034	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : No Nameplate Ratings Available</i>								
Raceway								
Conduit	100%			2034	**	1		

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 44 BROWNSVILLE STATION
Asset # : 13998

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Molded Case Bkrs	100%			2032	**	5	\$200	
Wiring								
Thermoplastic	100%			2034	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2029	**	1	\$2,500	
Generators								
Diesel	100%			2027	\$65,700	1	\$3,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : Emergency Generator Rated @ 6.3 Kva</i>								
Batteries								
Lead/Acid	100%			2019	\$1,500	5	\$300	
Fuel Storage								
Main Tank	100%			2039	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : 60 Gallon Capacity</i>								
Lighting								
Interior Lighting								
Fluorescent	90%			2024	\$19,500	10	\$6,600	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	10%			2024	\$2,200	10	\$700	
<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
Egress Lighting								
Emergency, Service	50%			2024	\$2,000	1		
Exit, Service	50%			2024	\$400	1		
Exterior Lighting								
HID	100%			2024	\$30,200	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2034	**	1		

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 44 BROWNSVILLE STATION
Asset # : 13998

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment								
Furnace	40%			2029	**	1	\$1,600	
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : Truck Bay</i>								
<i>Explanation : 3 Gas Fired Modine Heaters</i>								
Hot Water Boiler	60%	0-2	\$34,600	2044	**	1	\$2,100	
<i>Corroded, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 1st Floor Mechanical Room</i>								
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Mechanical Room</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Mechanical Room</i>								
<i>Explanation : 2 Weil Mclain H W Boilers</i>								
Distribution								
Hot Wtr Piping/Pump	60%	0-2	\$400	2032	**	4	\$200	
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor Mechanical Room</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Mechanical Room</i>								
<i>Explanation : 2 H W Pumps</i>								
No Component	40%							
Terminal Devices								
Convactor/Radiator	60%			2029	**	1	\$1,600	
No Component	40%							
Air Conditioning								
Energy Source								
Electricity	100%			2032	**	1		
Conversion Equipment								
Window/Wall Unit	60%			2019		1	\$9,400	
No Component	40%							
Ventilation								
Exhaust Fans								
Not Accessible	100%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2034	**	1		
Water Heater								
Gas Fired	100%			2023		2	\$4,600	\$100
Sanitary Piping								
Cast Iron	100%	Now	\$2,700	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Truck Bay Sewage Line</i>								
Backflow Preventer								
Generic	100%			2024		1	\$1,900	\$500
Fixtures								
Generic	100%							

Fire Suppression

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 44 BROWNSVILLE STATION
Asset # : 13998

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Fire Suppression	Sprinkler							
	Generic	100%			2034	* *	1-2	\$2,200

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 45 WOODSIDE STATION
Address : 58-65 52ND ROAD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSEMS.045 / 14001 **Yr Built/Renovated** :
Area Sq Ft : 8,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 01-Apr-2013 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 2351 **Lot** : 23 **BIN** : 4054172

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$270,200	\$47,200
Interior Architecture	\$47,700	
Total	\$317,800	\$47,200
Importance Code A	\$270,200	\$47,200
Importance Code B	\$47,700	
Total	\$317,800	\$47,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$11,400	\$100		
Interior Architecture	\$3,900			\$1,100
Electrical	\$38,800	\$600	\$600	\$7,900
Mechanical	\$5,800	\$800	\$1,300	\$7,400
Total	\$59,900	\$1,500	\$1,800	\$16,400
Importance Code A	\$11,800	\$500	\$400	\$400
Importance Code B	\$48,100	\$1,000	\$1,400	\$16,000
Importance Code C				
Total	\$59,900	\$1,500	\$1,800	\$16,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 45 WOODSIDE STATION
Asset # : 14001

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Concrete Masonry Unit	10%			LIFE	**	5	\$1,500	
Masonry: Brick	10%			LIFE	**	5	\$2,400	
Metal Panel	2%			2034	**	5-10	\$3,300	
Stucco Cement	78%	Now	\$219,500	2029	**	5	\$23,700	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout, Corners</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<hr/>								
Windows								
Aluminum	20%			2040	**	5	\$200	
Steel	80%	Now	\$50,700	2049	**	5	\$6,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<hr/>								
Parapets								
Cast Stone/Terra Cotta	5%	Now	\$1,100	LIFE	**	5	\$700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Coping</i>								
<i>Open Joints, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Coping</i>								
Concrete Masonry Unit	95%			LIFE	**	5	\$1,900	
<hr/>								
Roof								
Modified Bitumen	100%	Now	\$9,400	2024			\$47,200	
<i>Gut/DS Non Func/Miss, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Garage</i>								
<hr/>								
Interior								
Floors								
Cast in Place Concrete	85%	Now	\$47,700	LIFE	**	5	\$33,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Garage</i>								
<i>Drains Inad/Misposn, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Garage</i>								
Mosaic Tile	2%			2029	**	5	\$900	
Quarry Tile	3%			2029	**	5	\$800	
Vinyl Tile	10%	Now	\$3,100	2024		3	\$700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Exercise Room</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 45 WOODSIDE STATION
Asset # : 14001

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	2%			2033	**	5	\$400	
Concrete Masonry Unit	80%			LIFE	**	5	\$6,000	
Gypsum Board	18%			LIFE	**	5	\$2,000	
Ceilings								
AcousTileSusp.Lay-In	10%			2037	**	5	\$1,800	
Exposed Struc: Steel	90%			LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Garage</i>								
Site Pavements								
Parking/Driveway								
Asphalt	100%			2033	**			
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2024	\$4,800	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Garrage 1st Floor</i>								
<i>Explanation : Two 400 Amperes Main Disconnect Switch</i>								
Switchgear / Switchboard								
Fused Disc Sw	50%			2024	\$24,400	5		
Molded Case Bkrs	50%			2044	**	5	\$100	
Raceway								
Conduit	80%			2024	\$25,000	1		
Conduit	20%			2044	**	1		
Panelboards								
Fused Disc Sw	5%			2023	\$1,900	5		
Fused Disc Sw	5%			2040	**	5		
Molded Case Bkrs	40%			2040	**	5	\$100	
Molded Case Bkrs	50%			2023	\$19,200	5	\$100	
Wiring								
Thermoplastic	50%			2044	**	1		
Thermoplastic	50%			2024	\$13,800	1		
Motor Controllers								
Locally Mounted	50%			2037	**	5		
Locally Mounted	50%			2022	\$7,200	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2037	**	1	\$2,500	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 45 WOODSIDE STATION
Asset # : 14001

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Generators								
Diesel	100%			2033	**	1	\$3,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : One 81 Kva</i>								
Batteries								
Lead/Acid	100%			2019	\$1,500	5	\$300	
Fuel Storage								
Main Tank	100%			2052	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : One 60 Gallons</i>								
Lighting								
Interior Lighting								
Fluorescent	50%			2029	**	10	\$3,700	
HID	20%			2029	**	10	\$100	
HID	30%			2019	\$2,400	10	\$100	
Egress Lighting								
Emergency, Service	50%			2029	**	1		
Emergency, Battery	5%			2029	**	10	\$100	
Exit, Service	45%			2029	**	1		
Exterior Lighting								
HID	50%			2019	\$15,100	10		
HID	50%			2019	\$15,100	10		
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2034	**	1		
Conversion Equipment								
Furnace	100%	Now	\$400	2029	**	1	\$3,600	
<i>Not in Service, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 1 Motor Of Modine Heater</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Package Units Are On Roof, Modine Heaters Are In Garage</i>								
<i>Explanation : 5 Package Units And 4 Modine Unit Heaters</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2032	**	1		

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 45 WOODSIDE STATION
Asset # : 14001

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	50%			2029	**	2	\$200
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Roof</i>								
<i>Explanation : 5 Package Units Using R-22 Refrigerant</i>								
	Window/Wall Unit	5%			2019	\$800	1	
	No Component	45%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%	Now	\$1,400	LIFE	**	2-5	\$4,500
<i>Broken, Extent : Severe, Area Affected : 2%</i>								
<i>Location : The Chimney For The Generator</i>								
Exhaust Fans								
	Roof	50%			2029	**	2	\$100
	Wall Unit	50%			2024	\$1,300	2	\$100
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2044	**	1	
Water Heater								
	Electric	100%			2022	\$6,600	4	
Sanitary Piping								
	Cast Iron	100%	Now	\$1,100	LIFE	**	1	
<i>Blockage /Clogged, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Garage Male And Female Toilet Rooms</i>								
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Backflow Preventer								
	Generic	100%			2019	\$1,900	1	\$500
Fixtures								
	Generic	100%						
Fire Suppression								
Sprinkler								
	Generic	100%			2044	**	1-2	\$2,200

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 46 ELMHURST STATION
Address : ELMHURST HOSPITAL 79-01 BROADWAY
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSEMS.046 / 14002 **Yr Built/Renovated** :
Area Sq Ft : 11,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Nov-2016 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 1500 **Lot** : 2 **BIN** : 4437132

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Interior Architecture		\$40,000
Electrical		\$155,200
Total		\$195,200
Importance Code B		\$195,200
Total		\$195,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$1,400		\$1,100	
Interior Architecture	\$8,900		\$100	\$700
Electrical	\$1,200	\$1,000	\$1,200	\$1,200
Mechanical	\$5,500	\$500	\$15,800	\$500
Total	\$17,000	\$1,600	\$18,100	\$2,400
Importance Code A	\$1,600	\$200	\$1,200	\$200
Importance Code B	\$13,500	\$1,400	\$16,800	\$2,200
Importance Code C	\$1,900			\$100
Total	\$17,000	\$1,600	\$18,100	\$2,400



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 46 ELMHURST STATION
Asset # : 14002

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	20%			LIFE	**	5	\$2,800	
<i>Other Observation, Extent : Light, Area Affected : 25%</i>								
<i>Location : North Side</i>								
<i>Explanation : One Floor/ Split Level, The North Section Of Building Is Attached To The Old Nurses Building Of Elmhurst Hospital.</i>								
Metal Sect. OHD	10%			2041	**	5	\$2,200	
No Component	70%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : One Floor/ Split Level, The North Section Of Building Is Attached To The Old Nurses Building Of Elmhurst Hospital.</i>								
Parapets								
No Component	75%							
Not Accessible	25%							
Roof								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Roof</i>								
<i>Explanation : There Is No Permanent Access To The Roof. A Ladder Was Not Available.</i>								
Interior								
Floors								
Cast in Place Concrete	23%			LIFE	**	5	\$6,300	
Ceramic Tile	2%			2031	**	5	\$100	
Vinyl Tile	75%			2028	\$40,000	3	\$2,400	
Interior Walls								
Ceramic Tile	5%			2037	**	5	\$100	
Concrete Masonry Unit	15%			LIFE	**	5	\$300	
Gypsum Board	40%			LIFE	**	5-10	\$1,900	
Masonry: Brick	5%			LIFE	**	10		
Plaster	25%			LIFE	**	5-10	\$600	
SGFT/Glazed Masonry	10%			LIFE	**	10	\$100	
Ceilings								
AcousTileSusp.Lay-In	75%			2033	**	5	\$4,700	
Exposed Struc: Steel	20%			LIFE	**	10	\$2,500	
Gypsum Board	5%			LIFE	**	5-10	\$1,100	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Main Electrical Service Fed From The Other Building</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 46 ELMHURST STATION
Asset # : 14002

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Fused Disc Sw	5%			2036	**	5		
Molded Case Bkrs	95%			2036	**	5	\$300	
Wiring								
Thermoplastic	100%			2038	**	1		
Motor Controllers								
Locally Mounted	100%			2033	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	80%			2033	**	10	\$8,100	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Offices</i>								
HID	20%			2028	\$2,200	10	\$100	
Egress Lighting								
Emergency, Service	50%			2033	**	1		
Exit, Service	50%			2033	**	1		
Exterior Lighting								
HID	100%			2028	\$41,500	10		
Alarm								
Security System								
Generic	100%			2028	\$33,200	1	\$4,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								
Fire/Smoke Detection								
Generic, Digital	100%			2028	\$113,700	1-3	\$7,000	

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	30%			2038	**	1		
No Component	70%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Hot Water Provided From Hospital</i>								
Conversion Equipment								
Furnace	30%			2028	\$7,300	1	\$1,600	
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : 2 Modine Heaters</i>								
No Component	70%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Heating Water Supplied From Hospital Building</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 46 ELMHURST STATION
Asset # : 14002

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Distribution								
Hot Wtr Piping/Pump	70%			2027	\$3,400	4	\$600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : There Is No Temperature Control</i>								
No Component	30%							
Terminal Devices								
Convactor/Radiator	70%			2026	\$11,600	1	\$2,500	
No Component	30%							
Air Conditioning								
Energy Source								
Electricity	100%			2036	**	1		
Conversion Equipment								
Window/Wall Unit	70%			2021	\$15,000	1		
No Component	30%							
Ventilation								
Distribution								
Ductwork/Diffusers	30%			LIFE	**	2-5	\$2,900	
No Component	70%							
Exhaust Fans								
Roof	30%			2023	\$5,100	2	\$100	
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2038	**	1		
Sanitary Piping								
Cast Iron	100%	Now	\$3,800	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Water Backs Up On Apparatus Floor</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	70%							
Generic	30%			2028	\$30,200	1-2	\$900	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 49 ASTORIA STATION
Address : WESTERN QUEENS HOSPITAL 25-10 30TH AVE.
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSEMS.049 / 14004 **Yr Built/Renovated** :
Area Sq Ft : 2,793 **Project Type** : FIRE DEPARTMENT
Date of Survey : 29-Mar-2013 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 576 **Lot** : 12 **BIN** : 4436864

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Interior Architecture	\$58,100	\$145,200
Electrical		\$38,500
Total	\$58,100	\$183,700
Importance Code B	\$58,100	\$183,700
Total	\$58,100	\$183,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture				\$600
Interior Architecture	\$25,900			\$2,100
Electrical	\$20,700			\$14,400
Mechanical	\$400	\$300	\$500	\$400
Total	\$47,000	\$300	\$500	\$17,600
Importance Code A				\$600
Importance Code B	\$39,200	\$300	\$500	\$17,000
Importance Code C	\$7,800			
Total	\$47,000	\$300	\$500	\$17,600



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 49 ASTORIA STATION
Asset # : 14004

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Windows								
Aluminum	100%			2032	**	5	\$1,200	
Interior								
Floors								
Ceramic Tile	5%			2033	**	5	\$900	
Vinyl Tile	95%	0-2	\$58,100	2024	\$145,200	3	\$6,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Gypsum Board	100%	2-4	\$7,800	LIFE	**	5	\$11,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceilings								
Gypsum Board	100%	0-2	\$18,200	LIFE	**	5	\$22,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	100%			2024	\$31,300	1		
Panelboards								
Molded Case Bkrs	100%			2023	\$38,500	5	\$100	
Wiring								
Thermoplastic	100%			2024	\$27,700	1		
Motor Controllers								
Locally Mounted	100%			2022	\$14,400	5		
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								
Interior Lighting								
Fluorescent	100%			2019	\$7,600	10	\$2,600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout Space</i>								
<i>Explanation : T-8 Fixtures In Use</i>								
Egress Lighting								
Exit, Service	100%			2024	\$300	1		
Exterior Lighting								
HID	100%			2019	\$10,500	10		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 49 ASTORIA STATION
Asset # : 14004

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
	Energy Source							
	Electricity	40%			2044	**	1	
	HTHW/HW	60%			2044	**	1	
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
	<i>Explanation : Hot Water Provided From Adjacent Building</i>							
<hr/>								
	Conversion Equipment							
	No Component	40%						
	No Component	60%						
<hr/>								
	Distribution							
	Hot Wtr Piping/Pump	60%			2040	**	4	\$100
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Only H W Piping Is Covered</i>							
<hr/>								
	No Component	40%						
<hr/>								
	Terminal Devices							
	Convactor/Radiator	60%			2037	**	1	\$500
	No Component	40%						
<hr/>								
Air Conditioning								
	Energy Source							
	Electricity	100%			2046	**	1	
<hr/>								
	Terminal Devices							
	Fan Coil - 2 Pipe	40%			2029	**	1	\$400
	No Component	60%						
<hr/>								
	Heat Rejection							
	Air Cooled Condenser Unit	40%			2029	**	2	\$800
	No Component	60%						
<hr/>								
Ventilation								
	Distribution							
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$1,600
<hr/>								
	Exhaust Fans							
	Not Accessible	100%						
<hr/>								
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2044	**	1	
<hr/>								
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
<hr/>								
	Fixtures							
	Generic	100%						
<hr/>								
Fire Suppression								
	Sprinkler							
	Generic	100%			2044	**	1-2	\$800
<hr/>								
	Fire Pump							
	Not Accessible	100%						
<hr/>								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 49 ASTORIA STATION

Asset # : 14004

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Chemical System							
	No Component	90%						
	Generic	10%			2022	\$200	1-3	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 50 - BLDG 2 TRAILER
Address : 82-68 164TH ST. QUEENS GENERAL HOSPITAL
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSEMS.05A / 14005 **Yr Built/Renovated** :
Area Sq Ft : 3,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 27-Mar-2013 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 6858 **Lot** : 1 **BIN** : 4442431

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$90,400
Interior Architecture	\$45,800	
Total	\$45,800	\$90,400
Importance Code A		\$90,400
Importance Code B	\$45,800	
Total	\$45,800	\$90,400

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$17,500			\$600
Interior Architecture				\$2,300
Electrical				
Mechanical	\$1,200	\$200	\$1,200	\$13,100
Total	\$18,700	\$200	\$1,200	\$16,000
Importance Code A	\$17,500	\$200		\$11,300
Importance Code B	\$1,300		\$1,200	\$4,700
Total	\$18,700	\$200	\$1,200	\$16,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 50 - BLDG 2 TRAILER
Asset # : 14005

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Metal Panel	100%	Now	\$17,500	2034	**	5	\$45,600	
			<i>Corrosion/Rusting, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Throughout</i>					
			<i>Deformed/Dented, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Throughout</i>					
Windows								
Aluminum	100%			2032	**	5	\$1,200	
Roof								
Asphalt Shingle	5%			2027		10	\$100	
Modified Bitumen	95%			2024		10	\$7,700	
Interior								
Floors								
Vinyl Tile	100%	2-4	\$45,800	2034	**	3	\$6,800	
			<i>Cracking/Crumbling, Extent : Light, Area Affected : 25%</i>					
			<i>Location : Hallway, Throughout</i>					
			<i>Loose Units, Extent : Moderate, Area Affected : 25%</i>					
			<i>Location : Throughout</i>					
Interior Walls								
Plywood/Hardboard	100%			LIFE	**			
Ceilings								
Gypsum Board	100%			LIFE	**	5	\$22,500	
Site Pavements								
Parking/Driveway								
Cast in Place Concrete	100%			2041	**			
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2044	**	5		
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Outside</i>					
			<i>Explanation : Main Service Switch Rated @ 400 Amperes</i>					
Switchgear / Switchboard								
Molded Case Bkrs	100%			2044	**	5	\$100	
Raceway								
Conduit	100%			2044	**	1		
Panelboards								
Molded Case Bkrs	100%			2040	**	5	\$100	
Wiring								
Thermoplastic	100%			2044	**	1		
Ground								
Grounding Devices								
Not Accessible	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 50 - BLDG 2 TRAILER
Asset # : 14005

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	100%			2024	\$8,100	10	\$2,800	
<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Egress Lighting Emergency, Battery	50%			2024	\$2,000	10	\$400	
Exit, Service	50%			2024	\$200	1		
Exterior Lighting HID	100%			2024	\$11,300	10		
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Electricity	100%			2034	**	1		
Conversion Equipment Heat Pump Air Sourced	100%			2022	\$10,500	2	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside End Of The Building</i>								
<i>Explanation : 5 Units</i>								
Distribution Ductwork/Diffusers	100%			LIFE	**	2-5	\$1,700	
Air Conditioning								
Energy Source Electricity	100%			2032	**	1		
Distribution Ductwork/Diffusers	100%			LIFE	**	2	\$3,900	
Plumbing								
H/C Water Piping Brass/Copper	100%			2034	**	1		
Water Heater Electric	100%	Now	\$1,200	2022	\$2,500	4		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : 2 Units. The Unit For Male Restroom Is Out Of Order</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Backflow Preventer Not Accessible	100%							
Fixtures Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 52 FLUSHING STATION
Address : 135-16 38TH AVE. BTWN MAIN ST. - PRINCE ST.
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSEMS.052 / 14006 **Yr Built/Renovated** : 1923 / 1998
Area Sq Ft : 6,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 09-Jun-2015 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 4975 **Lot** : 31 **BIN** : 4112309

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$47,200
Interior Architecture		\$107,000
Total		\$154,200
Importance Code A		\$47,200
Importance Code B		\$107,000
Total		\$154,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$28,100		\$1,900	\$600
Interior Architecture	\$70,600			\$1,600
Electrical	\$23,400		\$5,600	
Mechanical	\$1,000	\$1,000	\$12,700	\$800
Site Pavements	\$9,600			
Total	\$132,700	\$1,000	\$20,100	\$3,100
Importance Code A	\$28,700	\$600	\$2,500	\$1,200
Importance Code B	\$57,500	\$400	\$17,600	\$1,900
Importance Code C	\$46,500			
Total	\$132,700	\$1,000	\$20,100	\$3,100



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 52 FLUSHING STATION
Asset # : 14006

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Masonry: Brick	85%			LIFE	**	5	\$20,700		
Masonry: Granite	5%			LIFE	**	5	\$900		
Masonry: Limestone	5%			LIFE	**	5	\$900		
Metal Sect. OHD	5%			2031	**	5	\$3,800		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Main Apparatus Door</i>									
<i>Explanation : Wood Sectional Door</i>									
Windows									
Aluminum	100%			2042	**	5	\$1,200		
Parapets									
Masonry: Brick	95%			LIFE	**	5	\$1,600		
Masonry: Limestone	5%	Now	\$4,500	LIFE	**	5	\$100		
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 75%</i>									
<i>Location : Various Locations Along Parapet</i>									
Roof									
Modified Bitumen	100%	Now	\$23,600	2026		\$47,200			1
<i>Ponding, Extent : Severe, Area Affected : 30%</i>									
<i>Location : Main Roof, Front And Back</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Main Roof To 2nd Floor Locker Room</i>									
Interior									
Floors									
Cast in Place Concrete	25%			LIFE	**	5	\$9,800		
Mosaic Tile	5%			2039	**	5	\$2,300		
Vinyl Tile	70%	2-4	\$5,300	2026		\$107,000	3	\$4,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>									
<i>Location : Second Floor</i>									
Interior Walls									
Cast in Place Concrete	9%	Now	\$21,300	LIFE	**				
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Basement</i>									
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>									
<i>Location : Basement</i>									
Ceramic Tile	2%	0-2	\$1,000	2035	**	5	\$200		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>									
<i>Location : Toilets</i>									
Masonry: Brick	12%			LIFE	**				
Plaster	63%	Now	\$9,500	LIFE	**	5	\$3,500		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Throughout Stairs And Corridors</i>									
SGFT/Glazed Masonry	14%	Now	\$5,100	LIFE	**				
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>									
<i>Location : Apparatus Room</i>									

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 52 FLUSHING STATION
Asset # : 14006

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
Acous Tile Susp. Lay-In	10%			2039	**	5	\$1,800	
Exposed Concrete	15%	Now	\$8,700	LIFE	**	5	\$400	
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Plaster	75%	Now	\$17,700	LIFE	**	5	\$8,400	
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Second Floor, Locker Room And Hallway</i>								
Site Enclosure								
Fence/Gates								
Chain link	100%			2036	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$9,600	2031	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Back And Side Of The Building</i>								
Parking/Driveway								
Cast in Place Concrete	100%			2039	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2026	\$4,800	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Size Of Switch Not Indicated</i>								
Raceway								
Conduit	100%			2026	\$31,300	1		
Panelboards								
Molded Case Bkrs	100%			2034	**	5	\$200	
Wiring								
Braided Cloth	10%	2-4	\$2,800	2051	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : First Floor And Basement</i>								
Thermoplastic	90%			2036	**	1		
Motor Controllers								
Locally Mounted	100%	4+	\$14,400	2046	**	5		
<i>Corroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : First Floor And Basement</i>								

Ground

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
EMS STATION 52 FLUSHING STATION
Asset # : 14006

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Grounding</i>								
Lighting								
Interior Lighting Fluorescent	100%			2031	**	10	\$5,500	
<i>T-5 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Egress Lighting								
Emergency, Battery	50%			2036	**	10	\$700	
Exit, Battery	50%			2036	**	10	\$200	
Exterior Lighting								
HID	50%			2026		10	\$11,300	
No Component	50%							
Alarm								
Fire/Smoke Detection								
No Component	90%							
Generic, Analog	10%	4+	\$6,200	2036	**	1-3	\$300	
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2046	**	1		
Conversion Equipment Steam Boiler	100%			2043	**	1	\$5,900	
<i>Recent Repair Evident, Extent : Light, Area Affected : 30%</i>								
<i>Location : Basement</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2036	**	4	\$400	
Terminal Devices								
Convactor/Radiator	100%			2039	**	1	\$1,900	
Air Conditioning								
Energy Source Electricity	100%			2042	**	1		
Conversion Equipment Window/Wall Unit	100%			2021		1	\$11,700	
Ventilation								

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 52 FLUSHING STATION
Asset # : 14006

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation								
Exhaust Fans								
Interior	100%			2026	\$20,000	2	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 20%</i>						
		<i>Location : 2nd Floor Bathrooms</i>						
		<i>Explanation : Toilet Exhaust</i>						
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		
		<i>No Water Meter, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
Water Heater								
Gas Fired	100%			2024	\$3,400	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 - 74 Gallon Units</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%	4+	\$200	2021	\$200	4	\$100	
		<i>Not in Service, Extent : Moderate, Area Affected : 30%</i>						
		<i>Location : Basement</i>						
Backflow Preventer								
No Component	95%							
Generic	5%			2034	**	1		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Serves Boiler Only</i>						
Fixtures								
Generic	100%							

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 54 SPRINGFIELD GARDENS STATION
Address : 222-15 MERRICK BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSEMS.054 / 4524 **Yr Built/Renovated** : 2005 /
Area Sq Ft : 6,084 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Apr-2013 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 12961 **Lot** : 10 **BIN** : 4279279

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$21,500		\$2,900	
Interior Architecture		\$300	\$1,600	\$500
Electrical	\$8,100	\$1,000	\$800	\$900
Mechanical	\$400	\$300	\$600	\$3,800
Total	\$30,000	\$1,700	\$5,900	\$5,300
Importance Code A	\$21,800	\$300	\$3,300	\$300
Importance Code B	\$8,200	\$1,400	\$2,700	\$4,700
Importance Code C				\$300
Total	\$30,000	\$1,700	\$5,900	\$5,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 54 SPRINGFIELD GARDENS STATION
Asset # : 4524

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Concrete Masonry Unit	30%			LIFE	**	5	\$2,900	
Masonry: Brick	60%			LIFE	**	5	\$9,400	
Metal Sect. OHD	10%			2041	**	5	\$4,900	
Windows								
Aluminum	100%			2046	**	5	\$1,000	
Parapets								
Masonry: Brick	90%			LIFE	**	5	\$2,200	
Metal Cornice	10%			2059	**	10	\$800	
Roof								
Modified Bitumen	100%	Now	\$20,700	2029	**			
<i>Drains Inad/Misposn, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over Locker Room</i>								
<i>Not Insulated, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over Locker Room</i>								
Interior								
Floors								
Cast in Place Concrete	65%			LIFE	**	5	\$12,900	
Ceramic Tile	5%			2037	**	5	\$500	
Vinyl Tile	30%			2032	**	3	\$1,000	
Interior Walls								
Ceramic Tile	5%			2037	**	5	\$500	
Concrete Masonry Unit	60%			LIFE	**	5	\$2,600	
Gypsum Board	30%			LIFE	**	5	\$2,000	
Metal Panel	5%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	35%			2041	**	5	\$3,200	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Female Locker Room</i>								
Exposed Struc: Steel	60%			LIFE	**			
Gypsum Board	5%			LIFE	**	5	\$600	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Entrance To Apparatus Floor</i>								
Site Enclosure								
Fence/Gates								
Iron Picket	100%			2068	**			
Free Standing Walls								
Concrete Masonry Unit	90%			2050	**			
Masonry: Fieldstone	10%			2050	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2041	**			
Parking/Driveway								
Asphalt	80%			2037	**			
Cast in Place Concrete	20%			2041	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 54 SPRINGFIELD GARDENS STATION
Asset # : 4524

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2044	**	5		
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Main Service Switch Rated @ 400 Amperes</i>						
Switchgear / Switchboard								
Fused Disc Sw	100%			2044	**	5		
Raceway								
Conduit	100%			2044	**	1		
Panelboards								
Fused Disc Sw	10%			2040	**	5		
Molded Case Bkrs	90%			2040	**	5	\$100	
Wiring								
Thermoplastic	100%			2044	**	1		
Motor Controllers								
Locally Mounted	100%			2037	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2037	**	1	\$1,900	
Generators								
Diesel	100%			2033	**	1	\$2,400	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : Emergency Generator Rated @ 100 Kw</i>						
Batteries								
Lead/Acid	100%			2019	\$1,500	5	\$200	
Fuel Storage								
Main Tank	100%			2052	**	5	\$200	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 120 Gallon Capacity</i>						
Lighting								
Interior Lighting								
Fluorescent	100%			2029	**	10	\$5,600	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Egress Lighting								
Emergency, Service	50%			2029	**	1		
Exit, LED	50%			2052	**	1		
Exterior Lighting								
HID	100%			2029	**	10		
Alarm								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 54 SPRINGFIELD GARDENS STATION
Asset # : 4524

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Alarm								
Security System								
No Component	70%							
Generic	30%			2029	**	1	\$700	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Entry And Exit Points</i>								
<i>Explanation : Intrusion Alarm Only, Panic Doors</i>								
<hr/>								
Fire/Smoke Detection								
Generic	100%			2029	**	1-3	\$3,800	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Strobe Lights, Smoke Detectors And Manual Pull Station</i>								
<hr/>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Electricity	5%			2044	**	1		
Natural Gas	95%			2044	**	1		
<hr/>								
Conversion Equipment								
Furnace	95%			2029	**	1	\$2,900	
<i>Other Observation, Extent : Light, Area Affected : 95%</i>								
<i>Location : Modine Heaters In Garage, Package Unit On Roof</i>								
<i>Explanation : 4 Modine Heaters, 1 Roof Top Package Unit</i>								
<hr/>								
Radiant Heater	5%			2029	**	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st Floor Mechanical Room</i>								
<i>Explanation : 1 Electrical Unit</i>								
<hr/>								
Air Conditioning								
Energy Source								
Electricity	100%			2040	**	1		
<hr/>								
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	30%			2029	**	2	\$100	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 30%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Roof Mounted</i>								
<i>Explanation : 1 Roof Top Package Unit For Office Only</i>								
<hr/>								
No Component	70%							
<hr/>								
Ventilation								
Distribution								
Ductwork/Diffusers	30%			LIFE	**	2-5	\$1,000	
No Component	70%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 54 SPRINGFIELD GARDENS STATION
Asset # : 4524

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
	Exhaust Fans							
	Roof	50%			2029	**	2	\$100
	Wall Unit	50%			2029	**	2	\$100
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2044	**	1	
	Water Heater							
	Gas Fired	100%			2022	\$3,500	2	\$100
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : 1st Floor Mechanical Room</i>					
			<i>Explanation : One A O Smith Gas Fired Water Heater</i>					
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Backflow Preventer							
	Generic	100%			2029	**	1	\$400
	Fixtures							
	Generic	100%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 55
Address : 3134 PARK AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSFMO.001 / 13231 **Yr Built/Renovated** : 1900 /
Area Sq Ft : 12,199 **Project Type** : FIRE DEPARTMENT
Date of Survey : 23-Jun-2015 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2419 **Lot** : 1 **BIN** : 2001898

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$118,800	
Interior Architecture	\$42,100	
Electrical	\$111,700	
Mechanical	\$97,400	\$193,100
Total	\$370,100	\$193,100
Importance Code A	\$118,800	
Importance Code B	\$209,100	\$193,100
Importance Code C	\$42,100	
Total	\$370,100	\$193,100

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$21,500		\$15,500	\$900
Interior Architecture	\$26,100			\$900
Electrical	\$15,800	\$1,100	\$12,400	\$1,200
Mechanical	\$46,000	\$1,600	\$12,000	\$1,900
Site Enclosure	\$2,900			
Site Pavements	\$9,900			
Total	\$122,100	\$2,800	\$40,000	\$4,900
Importance Code A	\$54,800	\$1,200	\$16,700	\$2,100
Importance Code B	\$47,100	\$1,600	\$23,200	\$2,800
Importance Code C	\$20,300			
Total	\$122,100	\$2,800	\$40,000	\$4,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 55
Asset # : 13231

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	2%	Now	\$1,900	2036	**			
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout.</i>								
Masonry: Brick	25%	Now	\$97,500	LIFE	**	5	\$7,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout.</i>								
Masonry: Brick	50%	Now	\$21,400	LIFE	**	5	\$14,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Ground Face Brick-surrounding Masonry Openings Throughout Building.</i>								
Masonry: Limestone	5%	Now	\$8,600	LIFE	**	5	\$1,100	
<i>Vertical Cracks, Extent : Light, Area Affected : 25%</i>								
<i>Location : Front Facade</i>								
Stucco Cement	13%	Now	\$5,300	2039	**	5	\$4,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Various Locations Throughout</i>								
Wood Overhead Doors	5%			2031	**	5	\$7,100	
Windows								
Aluminum	100%			2042	**	5	\$1,700	
<i>Unit Inoperable, Extent : Light, Area Affected : 2%</i>								
<i>Location : Rear Office Window</i>								
Parapets								
Masonry: Brick	90%	Now	\$3,200	LIFE	**	5	\$2,700	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 50%</i>								
<i>Location : Parapet Wall Adjacent To Roof Hatch.</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout</i>								
Masonry: Limestone	10%	0-2	\$600	LIFE	**	5	\$400	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Caulking Deteriorated, Extent : Light, Area Affected : 10%</i>								
<i>Location : Various Locations Throughout</i>								
Roof								
Modified Bitumen	95%			2031	**	10	\$12,000	
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Upper Roof</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout</i>								
Skylight, Metal/Glass	5%	0-2	\$1,900	2046	**			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Upper Roof</i>								
<i>Explanation : Failing Caulk Joints</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 55
Asset # : 13231

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$4,700	LIFE	**	5	\$20,000	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout Basement.</i>								
<i>Uneven Surface, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement And Apparatus Floor</i>								
Ceramic Tile	5%			2029	**	5	\$900	
Quarry Tile	5%			2039	**	5	\$1,400	
Vinyl Tile	40%			2031	**	3	\$3,700	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Landing By Rear Stairs And Locker Room.</i>								
Interior Walls								
Ceramic Tile	5%			2029	**	5	\$1,400	
Gypsum Board	35%			LIFE	**	5	\$5,700	
Masonry: Brick	40%	Now	\$42,100	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement And Various Locations Throughout.</i>								
Masonry: Fieldstone	5%	Now	\$5,700	LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement.</i>								
<i>Explanation : Parged Over Granite Foundation Wall Showed Missing Mortar In Various Locations.</i>								
Plaster	10%	Now	\$1,100	LIFE	**	5	\$800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 75%</i>								
<i>Location : Various Locations Throughout 1st Floor.</i>								
Wood	5%			LIFE	**	5	\$5,400	
<i>Worn/Eroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Womens Locker Room</i>								
Ceilings								
AcousTileSusp.Lay-In	30%	2-4	\$2,200	2039	**	5	\$2,700	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Various Locations Throughout</i>								
Embossed Metal	30%	Now	\$9,600	LIFE	**	5	\$2,500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Over Main Truck Bays.</i>								
Exposed Struc: Steel	30%			LIFE	**			
Gypsum Board	10%			LIFE	**	5	\$2,300	
Site Enclosure								
Fence/Gates								
Chain link	100%	2-4	\$2,900	2036	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Rear Parking Lot</i>								
Site Pavements								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
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FIRE DEPARTMENT - 057
EMS STATION 55
Asset # : 13231

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Site Pavements								
Parking/Driveway Asphalt	80%	Now	\$9,900	2035		**		
<i>Ponding, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Rear Parking Lot</i>								
<i>Potholes, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Rear Parking Lot</i>								
<i>Sinking/Subsiding, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Rear Parking Lot</i>								
Cast in Place Concrete	20%			2039		**		

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment Fused Disc Sw	100%			2026	\$4,800	5	\$100	
Raceway Conduit	100%			2026	\$31,300	1		
Panelboards Molded Case Bkrs	100%			2034	**	5	\$300	
<i>Covers Missing, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
Wiring Thermoplastic	100%			2026	\$27,700	1		
Motor Controllers Locally Mounted	100%			2031	**	5	\$100	
Ground								
Grounding Devices Not Accessible	100%							
Stand-by Power								
Transfer Switches Automatic	100%			2031	**	1	\$3,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 200 Amp.</i>								
Generators Diesel	100%			2022	\$65,700	1	\$4,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside, Close To Rear Parking Lot.</i>								
<i>Explanation : 76 Kw</i>								
Batteries Lead/Acid	100%			2019	\$1,500	5	\$500	
Fuel Storage Main Tank	100%			2029	**	5	\$400	
Lighting								

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FIRE DEPARTMENT - 057
EMS STATION 55
Asset # : 13231

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	100%			2031	**	10	\$11,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 25%</i>								
<i>Location : 1st Floor And Basement</i>								
Egress Lighting Emergency, Service	50%			2026	\$3,000	1		
Emergency, Service	50%			2026	\$3,000	1		
Exterior Lighting HID	100%			2021	\$46,000	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior</i>								
<i>Explanation : Photocell Control</i>								
Alarm								
Security System No Component Generic	50%			2026	\$18,400	1	\$2,300	
Fire/Smoke Detection No Component Generic, Analog	90%	10%	Now	\$12,600	2036	**	1-3	\$700
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2036	**	1		
Conversion Equipment Steam Boiler	90%	2-4	\$33,200	2039	**	1	\$9,800	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Explanation : Unit Requires A Lot Of Water Fill. Unit 15 Years Old</i>								
Steam Boiler	10%			2039	**	1	\$1,200	
Distribution Central Plant Steam Piping/Pmp	100%			2026	\$193,100	4	\$600	
<i>Insul. Deteriorating, Extent : Light, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Terminal Devices Convactor/Radiator	100%			2031	**	1	\$3,900	
Air Conditioning								
Energy Source Electricity	100%			2042	**	1		

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 55
Asset # : 13231

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment Split Unit	80%	2-4	\$97,400	2036	**			
<i>Other Observation, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : 1st And 2nd Floors</i>								
<i>Explanation : Outdoor Unit No Repair. Indoor Units Old And 30 Percent Malfunctioning</i>								
Window/Wall Unit	10%			2021	\$2,400	1		
No Component	10%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,800	
Exhaust Fans								
Interior	15%	Now	\$6,100	2036	**	2		
<i>Unit Inoperable, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen Hood</i>								
Roof	85%			2031	**	2	\$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		
Water Heater								
Gas Fired	100%			2021	\$7,000	2	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : 75 Gallons</i>								
Sanitary Piping								
Cast Iron	30%			LIFE	**	1		
Cast Iron	70%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2019	\$400	4	\$400	
Backflow Preventer								
No Component	95%							
Generic	5%			2031	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : Serves Boiler Only</i>								
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	95%							
Generic	5%	Now	\$5,600	2056	**	1-2	\$100	
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Kitchen Hood System</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 55 MELROSE STATION
Address : 3134 PARK AVE. @E 159TH STREET
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSEMS.055 / 13992 **Yr Built/Renovated** : 1905 / 1998
Area Sq Ft : 20,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 18-Nov-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,3
Block : 2419 **Lot** : 1 **BIN** : 2001898

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$516,100	\$151,400
Interior Architecture	\$237,300	\$156,000
Electrical		\$72,700
Total	\$753,400	\$380,100
Importance Code A	\$516,100	\$151,400
Importance Code B	\$169,200	\$228,700
Importance Code C	\$68,100	
Total	\$753,400	\$380,100

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$44,500		\$5,000	
Interior Architecture	\$69,300			\$3,000
Electrical	\$10,400	\$2,100	\$2,200	\$3,700
Mechanical	\$30,800	\$3,100	\$4,900	\$3,400
Site Pavements	\$12,400			
Total	\$167,400	\$5,200	\$12,200	\$10,100
Importance Code A	\$46,500	\$2,000	\$7,000	\$2,000
Importance Code B	\$73,200	\$3,200	\$5,200	\$8,100
Importance Code C	\$47,700			
Total	\$167,400	\$5,200	\$12,200	\$10,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 55 MELROSE STATION
Asset # : 13992

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$34,700	
Masonry: Brick	88%	Now	\$353,700	LIFE	**	5	\$39,100	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Metal Panel	2%			2038	**	5-10	\$6,100	
Metal Sect. OHD	5%			2041	**	5	\$7,000	
Windows								
Aluminum	100%			2036	**	5	\$3,100	
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$15,900	LIFE	**	5	\$2,400	
<i>Open Joints, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Top Main Roof</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	90%	Now	\$162,400	LIFE	**	5	\$2,800	
<i>Spalling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Roof								
Modified Bitumen	100%	Now	\$11,200	2028			\$112,300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Around Roof Hatch</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Around Roof Hatch</i>								
Interior								
Floors								
Cast in Place Concrete	25%			LIFE	**	5	\$30,900	
Ceramic Tile	5%			2037	**	5	\$1,400	
Quarry Tile	5%			2033	**	5	\$2,100	
Vinyl Tile	65%	Now	\$15,600	2028		3	\$6,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Offices</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 55 MELROSE STATION
Asset # : 13992

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	5%	Now	\$2,700	2037	**	5	\$1,000	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Second Floor Toilets</i>								
Concrete Masonry Unit	2%			LIFE	**	5	\$600	
Gypsum Board	64%			LIFE	**	5-10	\$42,300	
Masonry: Brick	15%	Now	\$68,100	LIFE	**			
<i>Water Penetration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Boiler Room</i>								
Masonry: Fieldstone	2%			LIFE	**	10	\$300	
Plaster	10%	Now	\$1,600	LIFE	**	5	\$1,200	
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Second Floor Under Roof Hatch</i>								
Wood	2%			LIFE	**	5	\$6,200	
Ceilings								
AcousTileSusp.Lay-In	2%	Now	\$200	2033	**	5	\$300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : First Floor</i>								
Embossed Metal	91%	Now	\$169,200	LIFE	**	5	\$11,600	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : First And Second Floor</i>								
<i>Deformed/Dented, Extent : Severe, Area Affected : 30%</i>								
<i>Location : First And Second Floor</i>								
Exposed Struc: Steel	2%			LIFE	**	10	\$1,100	
Plaster	5%			LIFE	**	5-10	\$2,400	
Site Enclosure								
Fence/Gates								
Chain link	100%			2048	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2041	**			
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$3,200	2041	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Concrete Pavement Area Between The Building And Parking Lot</i>								
Parking/Driveway								
Asphalt	80%	Now	\$9,200	2031	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Parking Lot</i>								
Cast in Place Concrete	20%			2041	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 55 MELROSE STATION
Asset # : 13992

Electrical	Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2028	\$4,800	5	\$100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Electrical Room Basement</i>						
		<i>Explanation : One 400 Amperes Main Disconnect Switch</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2028	\$48,800	5	\$500	
Raceway								
Conduit	95%			2028	\$29,700	1		
Conduit	5%			2048	**	1		
Panelboards								
Fused Disc Sw	5%			2027	\$1,900	5		
Molded Case Bkrs	20%			2027	\$7,700	5	\$100	
Molded Case Bkrs	75%			2044	**	5	\$400	
Wiring								
Thermoplastic	25%			2028	\$6,900	1		
Thermoplastic	75%			2048	**	1		
Motor Controllers								
Locally Mounted	100%			2041	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$600	
Stand-by Power								
Transfer Switches								
Automatic	100%			2041	**	1	\$6,200	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Two Ats</i>						
Generators								
Diesel	100%			2037	**	1	\$7,800	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Rear Yard</i>						
		<i>Explanation : One 81 Kva</i>						
Batteries								
Lead/Acid	100%			2022	\$1,500	5	\$700	
Fuel Storage								
Day Tank	100%			2044	**	5	\$3,700	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 60 Gallons</i>						
Lighting								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 55 MELROSE STATION
Asset # : 13992

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting								
Fluorescent	50%			2033	**	10	\$9,200	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
Fluorescent	30%			2023	\$16,300	10	\$5,500	
		<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
Fluorescent	20%			2038	**	10	\$3,700	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : 2nd Floor</i>						
Egress Lighting								
Emergency, Service	45%			2033	**	1		
Emergency, Battery	15%			2033	**	10	\$700	
Exit, Service	40%			2033	**	1		
Exterior Lighting								
HID	100%			2033	**	10	\$100	
Alarm								
Security System								
Generic	100%			2036	**	1	\$7,500	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside And Inside</i>						
		<i>Explanation : Nine CCTV Inside</i>						
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2048	**	1		
Conversion Equipment								
Steam Boiler	100%			2041	**	1	\$19,800	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One Unit</i>						
Distribution								
Steam Piping/Pump	100%			2048	**			
Terminal Devices								
Convactor/Radiator	80%			2033	**	1	\$5,200	
Unit Heater - Hot Water	20%			2033	**			
Air Conditioning								
Energy Source								
Electricity	100%			2036	**	1		

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 55 MELROSE STATION
Asset # : 13992

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Split Unit	40%			2033	**			
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : Various</i>								
<i>Explanation : 8 Units. R-410a</i>								
Window/Wall Unit	10%			2023	\$3,900	1		
No Component	50%							
Terminal Devices								
Fan Coil - 2 Pipe	40%			2033	**	1	\$2,600	
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : Offices</i>								
<i>Explanation : 7 Units</i>								
No Component	60%							
Heat Rejection								
Evaporative Condenser	40%			2033	**	2	\$5,600	
No Component	60%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$1,800	
No Component	90%							
Exhaust Fans								
Roof	10%			2033	**	2	\$100	
No Component	90%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2048	**	1		
Water Heater								
Gas Fired	100%			2026	\$11,400	2	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 - 75 Gallon Unit</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2021	\$600	4	\$600	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Dry	100%	Now	\$26,100	2028	\$26,100	1-3	\$3,400	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Ars-15b, Needs To Be Replaced</i>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 57 BEDFORD STUYVESANT STATION
Address : 131 THROOP AVE. @ FLUSHING AVE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSEMS.057 / 13999 **Yr Built/Renovated** : 1999 /
Area Sq Ft : 6,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 21-Mar-2013 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 1723 **Lot** : 1 **BIN** : 3048341

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Electrical		\$65,700
Total		\$65,700
Importance Code B		\$65,700
Total		\$65,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$8,100	\$600		\$5,700
Interior Architecture	\$10,400			\$500
Electrical	\$2,100	\$400	\$400	\$1,100
Mechanical	\$3,000	\$600	\$900	\$4,000
Site Pavements	\$3,800			
Total	\$27,400	\$1,600	\$1,300	\$11,200
Importance Code A	\$8,400	\$900	\$300	\$6,000
Importance Code B	\$15,200	\$700	\$1,100	\$5,200
Importance Code C	\$3,800			
Total	\$27,400	\$1,600	\$1,300	\$11,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 57 BEDFORD STUYVESANT STATION
Asset # : 13999

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%			LIFE	**	5	\$17,000	
Metal Sect. OHD	15%			2037	**	5	\$11,400	
Pre-Cast Concrete	15%			LIFE	**	5	\$11,900	
Windows								
Aluminum	100%			2040	**	5	\$1,200	
Parapets								
Masonry: Brick	70%			LIFE	**	5	\$1,200	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : All Parapets</i>								
<i>Explanation : Roofing Material Extends Up All Parapets To Coping Covering The Brick</i>								
Pre-Cast Concrete	30%			LIFE	**	5	\$3,300	
Roof								
Single Ply Membrane	100%			2029	**	10	\$8,100	
Interior								
Floors								
Cast in Place Concrete	75%	2-4	\$7,000	LIFE	**	5	\$29,500	
<i>Horizontal Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Truck Bay Floor</i>								
Ceramic Tile	5%			2033	**	5	\$900	
Vinyl Tile	20%	Now	\$1,500	2029	**	3	\$1,400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Interior Walls								
Ceramic Tile	5%			2033	**	5	\$900	
Concrete Masonry Unit	70%			LIFE	**	5	\$5,300	
Gypsum Board	25%			LIFE	**	5	\$2,800	
Ceilings								
AcousTileSusp.Lay-In	25%	Now	\$1,800	2037	**	5	\$2,300	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Embossed Metal	75%			LIFE	**	5	\$6,100	
Site Enclosure								
Fence/Gates								
Aluminum Picket	40%			2044	**			
Chain link	60%			2044	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2037	**			
Parking/Driveway								
Asphalt	78%	Now	\$3,800	2033	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Parking Lot At Rear Of Building</i>								
Cast in Place Concrete	22%			2037	**			

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 57 BEDFORD STUYVESANT STATION
Asset # : 13999

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2034	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : 1- 400 Amperes Siemens Service Switch</i>								
Raceway								
Conduit	100%			2034	**	1		
Panelboards								
Fused Disc Sw	5%			2032	**	5		
Molded Case Bkrs	95%			2032	**	5	\$200	
Wiring								
Thermoplastic	100%			2034	**	1		
Motor Controllers								
Locally Mounted	10%			2029	**	5		
Motor Control Center	90%			2029	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : Copper Clamp Type Hub Connection</i>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2029	**	1	\$1,900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : 104 Amperes Asco Switch</i>								
Generators								
Diesel	100%			2027	\$65,700	1	\$2,300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside On Lower Roof</i>								
<i>Explanation : 70 Kva Onan Cummins Equipment</i>								
Batteries								
Lead/Acid	100%			2019	\$1,500	5	\$200	
Fuel Storage								
Day Tank	100%			2032	**	5	\$1,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside On Lower Roof</i>								
<i>Explanation : 56 Gallon Simplex Unit</i>								
Lighting								
Interior Lighting								
Fluorescent	100%			2024	\$16,300	10	\$5,500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Recently Installed T-8 Fixtures</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 57 BEDFORD STUYVESANT STATION
Asset # : 13999

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Egress Lighting Exit, Service	100%			2024	\$700	1		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fixtures Are Connected To Building Power</i>								
Exterior Lighting HID	100%			2024	\$22,600	10		
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Electricity	10%			2044	**	1		
Natural Gas	90%			2044	**	1		
Conversion Equipment Furnace	90%			2029	**	1	\$2,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 4 Are In Truck Bay Area, Package Unit Is On The Roof</i>								
<i>Explanation : 4 Modine Heaters, 1 Package Unit</i>								
Radiant Heater	10%			2024	\$9,900	2	\$300	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1 Is In Hallway, 1 Is In Meter Room</i>								
<i>Explanation : 2 Units</i>								
Air Conditioning								
Energy Source Electricity	100%			2040	**	1		
Conversion Equipment Ext Pkg Unit - Heating/Cooling	30%			2029	**	2	\$100	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 30%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 1 Unit For Office Only</i>								
No Component	70%							
Ventilation								
Distribution Ductwork/Diffusers	100%	Now	\$2,600	LIFE	**	2-5	\$3,300	
<i>Leak Evident, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Leaking To Mens Locker Room When It Rains</i>								
Exhaust Fans Roof	100%			2029	**	2	\$200	
Plumbing								
H/C Water Piping Brass/Copper	100%			2044	**	1		

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 57 BEDFORD STUYVESANT STATION
Asset # : 13999

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing	Water Heater Gas Fired	100%			2022	\$3,400	2	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Water Heater Room</i>					
			<i>Explanation : 1 - 80 Gallon Unit</i>					
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Fixtures Generic	100%						
Fire Suppression	Sprinkler Generic	100%			2044	**	1-2	\$1,700

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 58 EAST 83RD STREET STATION
Address : 420 EAST 83RD ST. @ PRESTON CT.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSEMS.058 / 14000 **Yr Built/Renovated** :
Area Sq Ft : 25,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 01-Dec-2016 **Landmark Status** : NONE
Areas Surveyed : Floors 1,MEZ
Block : 1562 **Lot** : 36 **BIN** : 1050434

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$432,700
Interior Architecture	\$451,000	\$125,800
Electrical		\$94,300
Mechanical		\$324,200
Site Pavements	\$78,800	
Total	\$529,800	\$977,000
Importance Code A		\$639,900
Importance Code B	\$529,800	\$337,100
Total	\$529,800	\$977,000

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$56,000	\$7,200	\$11,900	
Interior Architecture	\$63,500		\$300	\$1,800
Electrical	\$4,700	\$2,700	\$3,800	\$2,700
Mechanical	\$44,800	\$2,200	\$8,600	\$2,200
Total	\$169,000	\$12,000	\$24,600	\$6,700
Importance Code A	\$56,000	\$8,300	\$11,900	\$1,200
Importance Code B	\$71,300	\$3,700	\$12,600	\$5,500
Importance Code C	\$41,700			
Total	\$169,000	\$12,000	\$24,600	\$6,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 58 EAST 83RD STREET STATION
Asset # : 14000

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick Cavity	60%	Now	\$34,300	LIFE	**	5	\$18,300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Bottom Corner Of Facade At Street Corner</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Base Of Building Along Preston Court</i>								
Metal Coiling Doors	25%			2026	\$432,700	5	\$23,900	
Metal Coiling Doors	15%			2045	**	5	\$14,300	
Windows								
Aluminum	100%	0-2	\$21,700	2053	**	5	\$300	
<i>Air Infiltration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Hardware Missing, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Mezzanine Offices</i>								
Parapets								
Not Accessible	100%							
Roof								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Roof Hatch</i>								
<i>Explanation : Access Required Through Neighboring Tenant</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 58 EAST 83RD STREET STATION
Asset # : 14000

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	55%	Now	\$277,800	LIFE	**	5	\$58,500	
<i>Horizontal Cracks, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Truck Bay Floor</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 30%</i>								
<i>Location : At Column Supports And Control Joints Throughout Truck Bays</i>								
<i>Other Observation, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Various Locations Throughout Truck Bays Due To Differential Settlement Of Slab</i>								
<i>Explanation : Tripping Hazards</i>								
Cast in Place Concrete	5%	Now	\$5,100	LIFE	**	5	\$5,300	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Male / Female Locker Rooms</i>								
Ceramic Tile	5%	Now	\$9,400	2031	**	5	\$1,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Toilet Rooms And Corridors</i>								
Vinyl Tile	15%	Now	\$12,400	2028	\$61,900	3	\$2,700	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout First Floor Offices / Corridors</i>								
Vinyl Tile	5%			2036	**	3	\$900	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Mezzanine Offices</i>								
Vinyl Tile 9" X 9"	15%	Now	\$80,200	2038	**	3	\$2,700	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout 1st Floor Gymnasium, Kitchen, Breakroom, Captain Locker Room</i>								
Interior Walls								
Ceramic Tile	5%	Now	\$6,500	2031	**	5	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Toilet Rooms And Base Of Corridor Walls</i>								
Concrete Masonry Unit	40%	Now	\$20,800	LIFE	**	5	\$3,800	
<i>Diagonal Cracks, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Storage Mezzanine</i>								
Gypsum Board	50%	Now	\$9,700	LIFE	**	5	\$7,000	
<i>Paint Peeling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 15%</i>								
<i>Location : Offices And Hallways</i>								
Wood	5%			LIFE	**	5	\$9,400	
Ceilings								
AcousTileSusp.Lay-In	50%	Now	\$39,300	2033	**	5	\$12,200	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Offices And Corridors</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Locker Rooms, Toilet Rooms</i>								
Exposed Struc: Steel	50%			LIFE	**	10	\$48,600	

Site Pavements

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 58 EAST 83RD STREET STATION
Asset # : 14000

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%	Now	\$78,800	2048	**			
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Cracking/Crumbling, Extent : Moderate, Area Affected : 75%

Location : Entire Perimeter Sidewalk

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2038	**	5	\$100	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : 1st Floor Service Room

Explanation : 2- 400 Amperes Service Switches

Raceway

Conduit	100%			2038	**	1		
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Panelboards

Molded Case Bkrs	100%			2036	**	5	\$700	
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Wiring

Thermoplastic	100%			2038	**	1		
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Motor Controllers

Locally Mounted	100%			2026	\$14,400	5	\$200	
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Ground

Grounding Devices

Not Accessible	100%							
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Stand-by Power

Transfer Switches

Automatic	100%			2033	**	1	\$7,700	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : 1st Floor Service Room

Explanation : 600 Amperes Switch

Generators

Diesel	100%			2031	**	1	\$9,700	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : 1st Floor Service Room

Explanation : 188 Kva Generator

Batteries

Lead/Acid	100%			2019	\$1,500	5	\$900	
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FIRE DEPARTMENT - 057
EMS STATION 58 EAST 83RD STREET STATION
Asset # : 14000

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Fuel Storage								
Day Tank	30%			2036	**	5	\$1,400	
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : 1st Floor Rear</i>							
	<i>Explanation : 30 Gallon Tank</i>							
Main Tank	70%			2043	**	5	\$500	
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Underground</i>							
	<i>Explanation : 5000 Gallons</i>							
Lighting								
Interior Lighting								
Fluorescent	98%			2036	**	10	\$22,500	
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Throughout The Building</i>							
	<i>Explanation : T-8 Fixtures</i>							
HID	2%			2023		10	\$500	
Egress Lighting								
Emergency, Service	50%			2028		1	\$6,100	
Exit, Service	50%			2028		1	\$1,400	
Exterior Lighting								
HID	100%			2023		10	\$94,300	\$100
Alarm								
Security System								
Generic	100%			2033	**	1	\$9,300	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Inside, Outside</i>							
	<i>Explanation : Exterior Security Camera, Door Alarm</i>							
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2048	**	1		
Conversion Equipment								
Radiant Heater	50%			2028	\$207,100	2	\$5,800	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Garage</i>							
	<i>Explanation : (4) Gas Fired Radiant Heaters</i>							
Not Accessible	50%							
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location : Roof</i>							
	<i>Explanation : (3) Gas Fired Packaged Roof Top Units</i>							

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FIRE DEPARTMENT - 057
EMS STATION 58 EAST 83RD STREET STATION
Asset # : 14000

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$22,100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Office Space</i>								
<i>Explanation : Office And Support Space Only</i>								
Air Conditioning								
Energy Source								
	Electricity	100%			2044	**	1	
Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	40%	Now	\$23,400	2028	\$117,100	2	\$500
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof, Defective Compressors</i>								
	Window/Wall Unit	10%			2023	\$4,900	1	
	No Component	50%						
Distribution								
	Ductwork/Diffusers	50%			LIFE	**	2	\$20,300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Office / Support Space</i>								
<i>Explanation : Garage Space Is Not Covered By This System</i>								
	No Component	50%						
Ventilation								
Distribution								
	Ductwork/Diffusers	50%			LIFE	**	2-5	\$11,000
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Garage</i>								
<i>Explanation : Flat Canvas Duct System</i>								
	Ductwork/Diffusers	50%			LIFE	**	2-5	\$11,000
Exhaust Fans								
	Interior	25%			2028	\$20,800	2	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 83rd Street Side</i>								
<i>Explanation : Serves Garage Only</i>								
	Roof	50%			2028	\$19,400	2	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Serves Garage Only</i>								
	Roof	25%	Now	\$500	2028	\$9,700	2	\$200
<i>Malfunctioning, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Defective Male And Female Locker Room / Toilet Exhaust Fans</i>								
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2038	**	1	

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FIRE DEPARTMENT - 057
EMS STATION 58 EAST 83RD STREET STATION
Asset # : 14000

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing	Water Heater Electric	100%			2023	\$20,600	4	\$200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Male Locker Room, Apparatus Floor</i>					
			<i>Explanation : 3 - 50 Gallon Units</i>					
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Fixtures Generic	100%						
			<i>Other Observation, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Garage</i>					
			<i>Explanation : Broken Water Cooler</i>					
Fire Suppression	Sprinkler Generic	100%			2038	**	1-2	\$7,000

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EMS STATION 8 KIPS BAY
Address : 435 EAST 26TH STREET EAST END BELLVUE DNA LAB BLDG.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSEMS.008 / 14778 **Yr Built/Renovated** : 2007 /
Area Sq Ft : 6,164 **Project Type** : FIRE DEPARTMENT
Date of Survey : 16-Jun-2015 **Landmark Status** : NONE
Areas Surveyed : Floors 1,2
Block : 962 **Lot** : 100 **BIN** : 1087242

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$46,200
Total		\$46,200
Importance Code A		\$46,200
Total		\$46,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$7,400			
Interior Architecture	\$1,100		\$900	\$500
Electrical			\$5,900	\$100
Mechanical	\$300	\$400	\$1,800	\$600
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$12,700	\$4,400	\$12,500	\$5,100
Importance Code A	\$7,400			
Importance Code B	\$5,300	\$4,400	\$11,600	\$5,100
Importance Code C			\$900	
Total	\$12,700	\$4,400	\$12,500	\$5,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
EMS STATION 8 KIPS BAY
Asset # : 14778

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Metal Sect. OHD	20%			2039	**	5	\$14,800	
Granite Panels	20%			LIFE	**	5	\$3,600	
Pre-Cast Concrete	60%			LIFE	**	5	\$46,200	
Windows								
Aluminum	100%			2048	**	5	\$500	
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$9,100	
Ceramic Tile	10%	Now	\$400	2039	**	5	\$500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : 2nd Floor Shower</i>								
Vinyl Tile	45%	Now	\$700	2031	**	3	\$1,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 1%</i>								
<i>Location : 1st Floor Janitors Closet, 2nd Floor Shower</i>								
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	10%			2041	**	5	\$1,800	
Concrete Masonry Unit	35%			LIFE	**	5	\$2,500	
Gypsum Board	45%			LIFE	**	5	\$4,900	
Ceilings								
AcousTileSusp.Lay-In	45%			2043	**	5	\$3,800	
Exposed Struc: Steel	40%			LIFE	**			
Gypsum Board	15%			LIFE	**	5	\$1,600	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Transformers								
Dry Type	100%			2039	**	5		
Raceway								
Conduit	100%			2046	**	1		
Panelboards								
Fused Disc Sw	20%			2042	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : First And Second Floor Electrical Closets</i>								
<i>Explanation : Disconnect Switches Mounted To Bus Duct Serving Building Power Supply.</i>								
Molded Case Bkrs	80%			2042	**	5	\$100	
Wiring								
Thermoplastic	100%			2046	**	1		

Lighting

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 8 KIPS BAY
Asset # : 14778

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	75%			2031	**	10	\$4,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	25%			2031	**	10	\$1,400	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Second Floor</i>								
Egress Lighting								
Emergency, Service	50%			2031	**	1		
Exit, Battery	50%			2031	**	10	\$200	
Exterior Lighting								
HID	50%			2031	**	10		
No Component	50%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Distribution Hot Wtr Piping/Pump	100%			2042	**	4	\$300	
Terminal Devices Convactor/Radiator	100%			2039	**	1	\$2,000	
Air Conditioning								
Energy Source Electricity	100%			2042	**	1		
Conversion Equipment Split Unit	30%			2034	**			
No Component	70%							
Distribution Ductwork/Diffusers	50%			LIFE	**	2	\$4,000	
No Component	50%							
Ventilation								
Distribution Ductwork/Diffusers	100%			LIFE	**	2-5	\$3,400	
Plumbing								
H/C Water Piping Brass/Copper	100%			2046	**	1		
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Fixtures Generic	100%							
Vertical Transport								

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FIRE DEPARTMENT - 057
EMS STATION 8 KIPS BAY
Asset # : 14778

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component	% of	Fail Date	Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost
Type		Total	(Years)		FY		(Yrs)	
Vertical Transport	Elevators							
	Hydraulic	100%			LIFE		**	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st To 2nd Floor</i>					
			<i>Explanation : 1 - Unit</i>					
Fire Suppression	Sprinkler							
	Generic	100%			2046		**	1-2
			<i>Dry System, Extent : Light, Area Affected : 50%</i>					\$1,700
			<i>Location : Garage</i>					

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENG CO 264, 328/ LAD CO 134
Address : 16-15 CENTRAL AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.264 / 13153 **Yr Built/Renovated** : 1913 / 2003
Area Sq Ft : 13,944 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Jun-2015 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 15559 **Lot** : 25 **BIN** : 4298240

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Electrical		\$52,600
Mechanical		\$69,800
Total		\$122,400
Importance Code B		\$122,400
Total		\$122,400

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$24,100		\$6,900	\$200
Interior Architecture	\$59,200		\$800	\$400
Electrical	\$15,600	\$1,000	\$16,700	\$2,400
Mechanical	\$31,600	\$1,900	\$15,600	\$2,200
Total	\$130,500	\$2,900	\$40,000	\$5,200
Importance Code A	\$25,500	\$1,400	\$8,500	\$1,600
Importance Code B	\$77,800	\$1,600	\$31,600	\$3,600
Importance Code C	\$27,300			
Total	\$130,500	\$2,900	\$40,000	\$5,200



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENG CO 264, 328/ LAD CO 134
Asset # : 13153

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	15%			LIFE	**	5	\$2,700	
Masonry: Granite	5%			LIFE	**	5	\$700	
<i>Staining/Discoloring, Extent : Light, Area Affected : 2%</i>								
<i>Location : Facade Base; Front Facade.</i>								
Masonry: Limestone	15%	0-2	\$5,900	LIFE	**	5	\$2,000	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Joint Between Limestone And Granite</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Around All Overhead Doors And Adjacent Building</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 2%</i>								
<i>Location : Cornice; Front Facade.</i>								
Stucco Cement	50%			2039	**	5	\$22,500	
Wood Overhead Doors	15%			2031	**	5	\$13,500	
Windows								
Aluminum	100%			2042	**	5	\$500	
Parapets								
Masonry: Brick	75%			LIFE	**	5	\$700	
Masonry: Limestone	10%			LIFE	**	5	\$100	
<i>Staining/Discoloring, Extent : Light, Area Affected : 20%</i>								
<i>Location : Coping On Main Roof.</i>								
Stucco Cement	15%			2031	**	5	\$300	
Roof								
Built-Up (BUR)	100%	Now	\$7,000	2031	**			
<i>Debris on Roof, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Southeast Corner</i>								
<i>Miss/Damaged Flashings, Extent : Light, Area Affected : 5%</i>								
<i>Location : Fourth Floor Roof East Wall.</i>								
<i>Patching Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : At Patched Locations</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENG CO 264, 328/ LAD CO 134
Asset # : 13153

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior Floors								
Cast in Place Concrete	75%	Now	\$8,100	LIFE	**	5	\$34,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Third Floor Gymnasium</i>								
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Various Locations Throughout All Floors</i>								
Ceramic Tile	5%	0-2	\$1,000	2029	**	5	\$500	
<i>Worn/Eroded, Extent : Light, Area Affected : 10%</i>								
<i>Location : Toilets Throughout</i>								
Quarry Tile	5%			2031	**	5	\$1,600	
<i>Worn/Eroded, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	15%	Now	\$2,700	2031	**	3	\$1,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout.</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENG CO 264, 328/ LAD CO 134
Asset # : 13153

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	5%	0-2	\$1,200	2029	**	5	\$400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Toilets And Kitchen</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Toilets And Kitchen</i>								
Gypsum Board	15%	2-4	\$600	LIFE	**	5	\$1,600	
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Various Locations</i>								
Masonry: Brick	15%	Now	\$5,200	LIFE	**			
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Engine Company Basement Under Sidewalk Grate.</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 50%</i>								
<i>Location : Basement</i>								
Plaster	45%	Now	\$6,400	LIFE	**	5	\$2,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Various Locations</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Various Locations</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
SGFT/Glazed Masonry	20%	Now	\$13,800	LIFE	**			
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENG CO 264, 328/ LAD CO 134
Asset # : 13153

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	55%	Now	\$4,600	2039	**	5	\$5,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 10%</i>								
<i>Location : Truck Bunk Room.</i>								
Exposed Concrete	15%	Now	\$10,100	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Engine Company Basement</i>								
<i>Spalling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : North Side Of Ladder Company Basement.</i>								
<i>Explanation : Corroded Steel Beam. Supplemental Supports Are In Place.</i>								
Gypsum Board	10%			LIFE	**	5	\$2,600	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Toilets And Showers</i>								
<i>Explanation : Paint Peeling</i>								
Plaster	20%	Now	\$5,500	LIFE	**	5	\$2,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	90%			2046	**	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : North Side Basement</i>								
<i>Explanation : 200 Amperes Service</i>								
Photovoltaic Panel(s)	10%			2035	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Serves Hot Water Heater</i>								

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FIRE DEPARTMENT - 057
ENG CO 264, 328/ LAD CO 134
Asset # : 13153

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Raceway								
	Conduit	60%			2036	**	1	
	Conduit	40%			2046	**	1	
Panelboards								
	Molded Case Bkrs	100%			2034	**	5	\$400
Wiring								
	Thermoplastic	100%			2036	**	1	
Motor Controllers								
	Locally Mounted	100%			2031	**	5	\$100
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$200
Stand-by Power								
Transfer Switches								
	Automatic	100%			2039	**	1	\$4,300
Generators								
	Diesel	100%			2035	**	1	\$5,400
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Exterior</i>				
				<i>Explanation : 75 Kw</i>				
Batteries								
	Nickel Cadmium	100%			2021	\$1,500	5	\$3,100
Fuel Storage								
	Day Tank	100%			2042	**	5	\$2,600
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Exterior</i>				
				<i>Explanation : 125 Gallons</i>				
Lighting								
Interior Lighting								
	Fluorescent	97%			2031	**	10	\$12,400
				<i>Motion Sensors in Use, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Throughout</i>				
				<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Throughout</i>				
	Incandescent	3%			2026	\$2,700	2	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Ceiling Of Stair Tower</i>				
				<i>Explanation : Incandescent Down lighting</i>				
Egress Lighting								
	Emergency, Battery	50%			2026	\$9,400	10	\$1,700
	Exit, Battery	50%			2026	\$2,500	10	\$500
Exterior Lighting								
	HID	100%			2026	\$52,600	10	
Alarm								

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FIRE DEPARTMENT - 057
ENG CO 264, 328/ LAD CO 134
Asset # : 13153

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Fire/Smoke Detection

No Component

90%

Generic, Analog

10% Now

\$14,400 2036

* *

1-3

\$800

*Devices Missing, Extent : Severe, Area Affected : 100%**Location : Throughout**Local/Battery Operated Detect, Extent : Light, Area Affected : 100%**Location : Throughout*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2046

* *

1

Conversion Equipment

Steam Boiler

100%

2039

* *

1

\$13,800

Distribution

Central Plant Steam

100%

2046

* *

4

\$700

Piping/Pmp

Terminal Devices

Convactor/Radiator

100%

2024

\$69,800

1

\$4,500

*Corroded, Extent : Light, Area Affected : 100%**Location : All Floors***Air Conditioning**

Energy Source

Electricity

100%

2034

* *

1

Conversion Equipment

Split Unit

10%

2031

* *

Window/Wall Unit

50%

2021

\$13,600

1

No Component

40%

Ventilation

Distribution

Ductwork/Diffusers

20%

LIFE

* *

2-5

\$1,600

No Component

80%

*Other Observation, Extent : Light, Area Affected : 0%**Location : TV Room**Explanation : Ventilation Air*

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FIRE DEPARTMENT - 057
ENG CO 264, 328/ LAD CO 134
Asset # : 13153

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation								
Exhaust Fans								
Interior	10%			2026	\$4,600	2		
		<i>Other Observation, Extent : Light, Area Affected : 20%</i>						
		<i>Location : Bathrooms</i>						
		<i>Explanation : Under Sized</i>						
Roof	10%			2026	\$2,200	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : Kitchen Exhaust</i>						
Wall Unit	30%			2026	\$1,400	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Serves Engine Bays Only</i>						
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		
		<i>Antiquated, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Not Insulated, Extent : Light, Area Affected : 60%</i>						
		<i>Location : Bathrooms</i>						
Water Heater								
Electric	50%	Now	\$600	2024	\$5,700	4		
		<i>Unit Inoperable, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Roof</i>						
		<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : Solar Heat.</i>						
Gas Fired	50%			2024	\$4,000	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 - 75 Gallon Units</i>						
Sanitary Piping								
Cast Iron	100%	0-2	\$28,600	LIFE	**	1		
		<i>Corroded, Extent : Severe, Area Affected : 20%</i>						
		<i>Location : Front Of Basement</i>						
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2019	\$400	4	\$400	
Fixtures								
Generic	100%							

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 1/HOOK AND LADDER 24
Address : 142 WEST 31st STREET BTWN: 6TH AVE. - 7TH AVE.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.001 / 13001 **Yr Built/Renovated** : 1946 / 2005
Area Sq Ft : 11,326 **Project Type** : FIRE DEPARTMENT
Date of Survey : 16-Jun-2015 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3,4
Block : 806 **Lot** : 66 **BIN** : 1015173

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$51,100	
Total	\$51,100	
Importance Code A	\$51,100	
Total	\$51,100	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$3,500		\$2,600	\$10,300
Interior Architecture	\$6,100	\$400		
Electrical	\$11,700	\$2,500	\$8,200	\$900
Mechanical	\$32,700	\$1,700	\$13,700	\$1,800
Total	\$54,000	\$4,600	\$24,500	\$13,100
Importance Code A	\$4,000	\$600	\$3,200	\$10,900
Importance Code B	\$49,600	\$3,600	\$21,300	\$2,200
Importance Code C	\$400	\$400		
Total	\$54,000	\$4,600	\$24,500	\$13,100



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FIRE DEPARTMENT - 057
ENGINE CO. 1/HOOK AND LADDER 24
Asset # : 13001

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	75%			LIFE	**	5	\$21,000	
Masonry: Limestone	5%			LIFE	**	5	\$1,100	
Metal Panel	5%			2046	**	5-10	\$9,600	
Metal Sect. OHD	15%			2043	**	5	\$13,100	
Windows								
Aluminum	100%			2048	**	5	\$2,900	
Parapets								
Cast Stone/Terra Cotta	30%			LIFE	**	5	\$6,000	
Masonry: Brick	65%			LIFE	**	5	\$1,700	
Metal Rail	5%	Now	\$3,500	2046	**	5	\$900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Guard Rails Missing On Upper Mechanical Roof Tops</i>								
Roof								
Roll Roofing	95%			2022		5	\$20,700	
<i>Other Observation, Extent : Light, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Alligating At Seams</i>								
Skylight, Metal/Glass	5%			2046	**	10	\$2,200	
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$15,800	
Ceramic Tile	15%			2039	**	5	\$2,400	
Wood	40%	4+	\$4,200	2066	**	5	\$6,000	
<i>Deteriorated Finish, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	5%			2035	**	5	\$800	
Concrete Masonry Unit	5%			LIFE	**	5	\$300	
Gypsum Board	30%	Now	\$400	LIFE	**	5	\$2,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Top Of Stairwell To Roof</i>								
Masonry: Brick	5%			LIFE	**			
Metal Panel	5%			LIFE	**			
Plaster	5%			LIFE	**	5	\$200	
SGFT/Glazed Masonry	25%			LIFE	**			
Wood	10%			LIFE	**	5	\$6,000	
Ceilings								
Exposed Struc: Steel	25%			LIFE	**			
Gypsum Board	10%	Now	\$300	LIFE	**	5	\$2,000	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Ceiling And Skylight</i>								
Metal Panel	10%			LIFE	**	5	\$2,000	
Plaster	55%			LIFE	**	5	\$5,500	

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FIRE DEPARTMENT - 057
ENGINE CO. 1/HOOK AND LADDER 24
Asset # : 13001

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2046	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 400 Amperes</i>						
<hr/>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2046	**	5		
<hr/>								
Raceway								
Conduit	70%			2026	\$21,900	1		
Conduit	30%			2046	**	1		
<hr/>								
Panelboards								
Molded Case Bkrs	100%			2042	**	5	\$300	
<hr/>								
Wiring								
Thermoplastic	100%			2046	**	1		
<hr/>								
Motor Controllers								
Locally Mounted	100%			2039	**	5	\$100	
<hr/>								
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
<hr/>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2039	**	1	\$3,500	
<hr/>								
Generators								
Diesel	100%			2035	**	1	\$4,400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 65 Kw Portable Type</i>						
<hr/>								
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$400	
<hr/>								
Fuel Storage								
Main Tank	100%			2054	**	5	\$300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Below Generator</i>						
		<i>Explanation : Belly Tank</i>						
<hr/>								
Lighting								

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FIRE DEPARTMENT - 057
ENGINE CO. 1/HOOK AND LADDER 24
Asset # : 13001

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting								
Fluorescent	25%			2031	**	10	\$2,600	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	25%			2031	**	10	\$2,600	
<i>T-5 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	20%			2031	**	10	\$2,100	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Corridors</i>								
HID	30%			2031	**	10	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Mostly Pendant Fixtures</i>								
Egress Lighting								
Emergency, Service	75%			2031	**	1		
Exit, LED	25%			2054	**	1		
Exterior Lighting								
HID	50%			2031	**	10		
HID	50%	Now	\$10,700	2031	**			
<i>Malfunctioning, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Exterior And Roof</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2046	**	1		
Conversion Equipment								
Furnace	50%			2031	**	1	\$2,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 4 Heating / Cooling Units</i>								
Hot Water Boiler	50%			2039	**	1	\$2,800	
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$3,200	
Hot Wtr Piping/Pump	50%			2042	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2039	**	1	\$3,700	
Air Conditioning								
Energy Source								
Electricity	100%			2042	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 1/HOOK AND LADDER 24
Asset # : 13001

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	99%			2031	**	2	\$700
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 4 - Heating / Cooling Units R-22</i>								
	Window/Wall Unit	1%			2021	\$200	1	
Distribution								
	Ductwork/Diffusers	99%			LIFE	**	2	\$14,600
	No Component	1%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,300
Exhaust Fans								
	Roof	80%			2031	**	2	\$300
	Wall Unit	20%			2031	**	2	\$100
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2046	**	1	
Water Heater								
	Gas Fired	100%			2021	\$6,500	2	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 - 100 Gallon Unit, 1-175 Gallon Unit</i>								
Sanitary Piping								
	Cast Iron	100%	Now	\$31,000	LIFE	**	1	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Reported That Main Drain Requires Monthly Cleaning. Reason For Required Cleaning Was Not Visible.</i>								
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Backflow Preventer								
	Generic	100%			2031	**	1	\$700
Fixtures								
	Generic	100%						
Fire Suppression								
Sprinkler								
	Generic	100%			2046	**	1-2	\$3,200
Chemical System								
	Generic	100%			2024	\$1,900	1-3	\$3,700

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 10
Address : 124 LIBERTY STREET @ GREENWICH ST.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.010 / 13009 **Yr Built/Renovated** : 1981 / 2003
Area Sq Ft : 5,290 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 52 **Lot** : 22 **BIN** : 1075700

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$2,300	\$2,000		\$24,900
Interior Architecture	\$2,500	\$1,100	\$1,000	
Electrical	\$15,400	\$600	\$2,100	\$9,100
Mechanical	\$4,200	\$500	\$3,200	\$300
Total	\$24,400	\$4,200	\$6,300	\$34,300
Importance Code A	\$2,300	\$2,000	\$200	\$24,900
Importance Code B	\$22,100	\$2,100	\$5,500	\$9,400
Importance Code C			\$600	
Total	\$24,400	\$4,200	\$6,300	\$34,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 10
Asset # : 13009

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	75%			LIFE	**	5	\$19,000	
Metal Panel	20%			2047	**	5-10	\$34,800	
Wood Overhead Doors	5%			2032	**	5	\$6,300	
Windows								
Aluminum	100%			2043	**	5	\$600	
Parapets								
Cast Stone/Terra Cotta	10%	4+	\$2,300	LIFE	**	5	\$700	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Main Roof</i>								
Masonry: Brick	70%			LIFE	**	5	\$600	
Metal Rail	20%			2040	**	5-10	\$3,300	
Roof								
Built-Up (BUR)	100%			2032	**	10	\$12,200	
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$7,500	
Ceramic Tile	10%			2036	**	5	\$900	
Sheet Vinyl/Rubber	50%	Now	\$2,500	2032	**	5	\$3,200	
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 2%</i>								
<i>Location : 2nd Floor Corridor And Office</i>								
Interior Walls								
Ceramic Tile	10%			2036	**	5	\$1,200	
Concrete Masonry Unit	35%			LIFE	**	5	\$1,700	
Gypsum Board	15%			LIFE	**	5	\$1,100	
SGFT/Glazed Masonry	25%			LIFE	**			
Wood	15%			LIFE	**	5	\$7,100	
Ceilings								
AcousTileSusp.Lay-In	25%			2040	**	5	\$2,100	
Exposed Concrete	70%			LIFE	**	5	\$900	
Gypsum Board	5%			LIFE	**	5	\$500	
<i>Water Penetration, Extent : Light, Area Affected : 2%</i>								
<i>Location : 2nd Floor Ceiling At Toilet And Locker Doorway</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2032	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2047	**	5		
Raceway								
Conduit	100%			2047	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 10
Asset # : 13009

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Molded Case Bkrs	50%			2043	**	5	\$100	
Molded Case Bkrs	50%			2035	**	5	\$100	
Wiring								
Thermoplastic	50%			2047	**	1		
Thermoplastic	50%			2037	**	1		
Motor Controllers								
Locally Mounted	100%			2040	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Main</i>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2040	**	1	\$1,600	
Generators								
Diesel	100%			2036	**	1	\$2,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 60 Kw</i>								
Batteries								
Lead/Acid	100%			2021	\$1,500	5	\$200	
Fuel Storage								
Main Tank	100%			2055	**	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	45%			2022	\$6,400	10	\$2,200	
Fluorescent	10%			2027	\$1,400	10	\$500	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Fluorescent	45%	0-2	\$6,400	2037	**			
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor, Second Floor, Stairwells</i>								
Egress Lighting								
Exit, Service	50%			2027	\$300	1		
Exit, Battery	50%			2027	\$1,000	10	\$200	
Exterior Lighting								
HID	100%			2027	\$19,900	10		
Alarm								
Security System								
No Component	50%							
Generic	50%	0-2	\$8,000	2037	**	1	\$900	
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Various Locations</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 10
Asset # : 13009

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Fire/Smoke Detection

No Component

95%

Generic, Digital

5% Now

\$500 2032

* * 1-3

\$200

*Devices Missing, Extent : Moderate, Area Affected : 100%**Location : 1st - 3rd Floors**Local/Battery Operated Detect, Extent : Light, Area Affected : 100%**Location : 1st - 3rd Floors*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Utility Steam

100% Now

\$900 2047

* * 1

*Other Observation, Extent : Moderate, Area Affected : 10%**Location : Basement**Explanation : High Pressure Steam Pipe Needs Insulation & New Valves*

Conversion Equipment

Pres. Reducing
Valve/LP Steam

100%

2036

* * 5

\$300

Distribution

Hot Wtr Piping/Pump

100%

2035

* * 4

\$400

*Insul. Deteriorating, Extent : Light, Area Affected : 30%**Location : Basement*

Terminal Devices

Convactor/Radiator

100%

2040

* * 1

\$1,700

Air Conditioning

Energy Source

Electricity

100%

2043

* * 1

Conversion Equipment

Window/Wall Unit
No Component

10%

2025

\$1,000 1

90%

Distribution

Ductwork/Diffusers

99%

LIFE

* * 2

\$6,800

No Component

1%

Terminal Devices

Air Handler/Dir
Expansion

95%

2032

* * 1

*Other Observation, Extent : Light, Area Affected : 5%**Location : Kitchen Ceiling**Explanation : Condensate Drips*

No Component

5%

Heat Rejection

Air Cooled Condenser
Unit

90%

2027

\$900 2

\$3,300

No Component

10%

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 10
Asset # : 13009

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$3,000	
Exhaust Fans								
Interior	5%			2032	**	2		
Roof	80%			2032	**	2	\$100	
Roof	15%	Now	\$1,200	2037	**	2		
<i>Unit Inoperable, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Roof - Serves Locker Room</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2037	**	1		
Water Heater								
Electric	100%			2025		4	\$4,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 119 Gallon Units</i>								
HW Heat Exchanger								
HTHW/HW	100%			2037	**			
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%	Now	\$1,000	LIFE	**	1		
<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor</i>								
Sump Pump(s)								
Submersible	100%			2020		4	\$200	\$200
Backflow Preventer								
Not Accessible	100%							
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	10%			2025		1-3	\$200	\$500
No Component	90%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 14
Address : 14 EAST 18th STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.014 / 13010 **Yr Built/Renovated** : 1894 / 2000
Area Sq Ft : 5,106 **Project Type** : FIRE DEPARTMENT
Date of Survey : 28-Mar-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 846 **Lot** : 66 **BIN** : 1016141

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$61,000	
Electrical		\$93,500
Total	\$61,000	\$93,500
Importance Code A	\$61,000	
Importance Code B		\$93,500
Total	\$61,000	\$93,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$40,000	\$300		\$3,900
Interior Architecture	\$64,000	\$300	\$600	\$200
Electrical	\$2,600	\$400	\$300	\$400
Mechanical	\$9,100	\$700	\$800	\$6,100
Total	\$115,700	\$1,700	\$1,600	\$10,700
Importance Code A	\$40,500	\$800	\$500	\$4,400
Importance Code B	\$68,000	\$900	\$500	\$6,200
Importance Code C	\$7,300		\$600	
Total	\$115,700	\$1,700	\$1,600	\$10,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 14
Asset # : 13010

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$12,300	
Masonry: Brick	65%			LIFE	**	5	\$10,200	
Masonry: Granite	5%	Now	\$9,500	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Base</i>								
Masonry: Limestone	10%			LIFE	**	5	\$1,200	
Wood Overhead Doors	10%			2032	**	5	\$7,900	
Windows								
Wood	100%	Now	\$61,000	2052	**	5	\$10,900	
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Split/Cracked, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	25%	Now	\$2,300	LIFE	**	5	\$1,100	
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Front Facade</i>								
Masonry: Brick	70%			LIFE	**	5	\$400	
Metal Rail	5%			2040	**	5-10	\$500	
Roof								
Asphalt Shingle	10%	0-2	\$300	2036	**			
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Raised Roof Area Towards Front Of Building</i>								
Modified Bitumen	85%	0-2	\$24,300	2037	**			
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Raised Roof Area Towards Front Of Building</i>								
Skylight, Metal/Glass	5%	Now	\$3,600	2037	**			
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Over Third Floor</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 14
Asset # : 13010

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$9,600	
Ceramic Tile	5%	Now	\$2,600	2036	**	5	\$200	
<i>Water Penetration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd Floor Laundry Room And 3rd Floor Bathroom</i>								
Quarry Tile	5%			2040	**	5	\$700	
Vinyl Tile	20%	Now	\$14,900	2037	**	3	\$700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor</i>								
Wood	20%	Now	\$11,600	2042	**	5	\$1,600	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Third Floor</i>								
<i>Split/Cracked, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Third Floor</i>								
Interior Walls								
Ceramic Tile	10%			2036	**	5	\$1,200	
Masonry: Brick	15%			LIFE	**			
Plaster	75%	Now	\$7,300	LIFE	**	5	\$2,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : East Side</i>								
Ceilings								
AcousTileSusp.Lay-In	5%			2044	**	5	\$400	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Second Floor Office</i>								
Embossed Metal	70%	Now	\$27,000	LIFE	**	5	\$2,800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Third Floor</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Third Floor</i>								
Exposed Concrete	20%			LIFE	**	5	\$300	
Gypsum Board	5%	0-2	\$400	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Attic Ceiling Due To Roof Leaks</i>								
Site Enclosure								
Free Standing Walls								
Cast in Place Concrete	100%			2062	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2040	**			
Activity Yard								
Cast in Place Concrete	100%			2040	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 14
Asset # : 13010

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2037	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Rated @ 400 Amperes</i>								
Raceway								
Conduit	100%			2037	**	1		
Panelboards								
Molded Case Bkrs	100%			2035	**	5	\$100	
Wiring								
Thermoplastic	100%			2037	**	1		
Motor Controllers								
Locally Mounted	100%			2032	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Overhead Door Operators</i>								
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	5%			2027	\$700	10	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Compact Fluorescent Lamps</i>								
LED	95%			2027	\$40,700			
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Exterior Lighting								
HID	100%			2027	\$19,300	10		
Alarm								
Fire/Smoke Detection								
Generic, Analog	100%	Now	\$2,600	2027	\$52,800	1-3	\$2,900	
<i>Devices Missing, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2037	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 14
Asset # : 13010

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment Steam Boiler	100%			2040	**	1	\$5,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2047	**	4	\$400	
Terminal Devices								
Convactor/Radiator	100%	Now	\$5,100	2032	**	1	\$1,500	
<i>Noisy/Vibrating, Extent : Severe, Area Affected : 100%</i>								
<i>Location : All Floors</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Antiquated, Temp Supports</i>								
Air Conditioning								
Energy Source Electricity	100%			2035	**	1		
Conversion Equipment								
Window/Wall Unit	50%			2022		1	\$5,000	
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$300	
No Component	90%							
Exhaust Fans								
Roof	10%			2027		2	\$800	
Wall Unit	10%			2022		2	\$200	
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2037	**	1		
Water Heater								
Gas Fired	100%	4+	\$300	2025		2	\$2,900	\$100
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 75 Gallon Unit. Flue Needs Repair</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	50%			LIFE	**	1		
Cast Iron	50%	Now	\$3,000	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Cellar And Floor Drain</i>								
<i>Leak Evident, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Cellar</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 14
Asset # : 13010

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	10%			2022	\$200	1-3	\$500	
No Component	90%							

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 151/LADDER CO. 76
Address : 7219 AMBOY ROAD
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.151 / 13081 **Yr Built/Renovated** : 1929 /
Area Sq Ft : 7,012 **Project Type** : FIRE DEPARTMENT
Date of Survey : 12-May-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 8040 **Lot** : 10 **BIN** : 5089056

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$22,000	\$1,000		
Interior Architecture	\$27,600		\$400	\$1,200
Electrical	\$600	\$800	\$2,200	\$600
Mechanical	\$2,100	\$900	\$1,200	\$7,700
Site Enclosure	\$2,800			
Total	\$55,200	\$2,700	\$3,800	\$9,600
Importance Code A	\$22,700	\$1,600	\$700	\$700
Importance Code B	\$23,300	\$1,100	\$3,000	\$8,900
Importance Code C	\$9,200		\$200	
Total	\$55,200	\$2,700	\$3,800	\$9,600



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 151/LADDER CO. 76
Asset # : 13081

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%			LIFE	**	5	\$16,000	
Masonry: Granite	5%	4+	\$2,700	LIFE	**	5	\$900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Door Jambs</i>								
Masonry: Limestone	5%			LIFE	**	5	\$900	
Stucco Cement	5%	0-2	\$3,300	2032	**	5	\$1,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Stair Bulkhead</i>								
Wood Overhead Doors	15%			2044	**	5	\$17,100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Door Replaced With Fiberglass Ohd</i>								
Windows								
Aluminum	100%			2035	**	5	\$1,900	
Parapets								
Masonry: Brick	80%	0-2	\$6,400	LIFE	**	5	\$2,200	
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	20%			LIFE	**	5	\$700	
Roof								
Asphalt Shingle	8%			2036	**	10	\$100	
Modified Bitumen	90%	4+	\$1,100	2032	**			
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								
<i>Explanation : Loose Lumber Materials And Platforms Impacting New Membrane.</i>								
Skylight, Metal/Glass	2%			2047	**	10	\$700	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$1,100	LIFE	**	5	\$11,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Roof Bulkhead Landing</i>								
Ceramic Tile	3%			2036	**	5	\$300	
Quarry Tile	10%			2032	**	5	\$1,600	
Terrazzo	2%			LIFE	**	5	\$200	
Vinyl Tile	35%	0-2	\$15,600	2027	\$31,200	3	\$1,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout 2nd Floor</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 151/LADDER CO. 76
Asset # : 13081

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Interior									
Interior Walls									
Cast in Place Concrete	10%			LIFE	**				
Ceramic Tile	3%			2036	**	5	\$400		
Masonry: Brick	10%			LIFE	**				
Plaster	30%	Now	\$6,400	LIFE	**	5	\$1,200		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Stairwell And Hose Tower Bulkhead</i>									
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : 2nd Floor Bathroom Areas</i>									
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>									
<i>Location : Stairwell And Hose Tower Bulkhead</i>									
SGFT/Glazed Masonry	45%			LIFE	**				
Wood	2%			LIFE	**	5	\$1,100		
Ceilings									
AcousTileSusp.Lay-In	10%	4+	\$400	2032	**	5	\$500		
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Kitchen</i>									
Exposed Concrete	60%			LIFE	**	5	\$1,000		
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement Ceiling</i>									
Plaster	30%	Now	\$4,100	LIFE	**	5	\$2,000		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : Hose Tower</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Hose Tower</i>									
Site Enclosure									
Fence/Gates									
Chain link	100%			2037	**				
Free Standing Walls									
Concrete Masonry Unit	100%	Now	\$2,800	2037	**				
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : Top Of Wall At Rear Yard</i>									
Site Pavements									
On-Site Walkways									
Cast in Place Concrete	100%			2032	**				

Electrical		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Under 600 Volts									
Service Equipment									
Fused Disc Sw	100%			2047	**	5			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
<i>Explanation : 200 Amp</i>									

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FIRE DEPARTMENT - 057
ENGINE CO. 151/LADDER CO. 76
Asset # : 13081

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Raceway								
	Conduit	75%			2027	\$23,500	1	
	Conduit	25%			2047	**	1	
Panelboards								
	Fused Disc Sw	50%			2043	**	5	\$100
	Molded Case Bkrs	25%			2035	**	5	
	Molded Case Bkrs	25%			2043	**	5	
Wiring								
	Thermoplastic	100%			2037	**	1	
Motor Controllers								
	Locally Mounted	100%			2040	**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Overhead Door Operators</i>								
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$100
Stand-by Power								
Transfer Switches								
	Automatic	100%			2040	**	1	\$2,200
Generators								
	Diesel	100%			2036	**	1	\$2,700
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outdoor</i>								
<i>Explanation : 60 Kw</i>								
Batteries								
	Lead/Acid	100%			2021	\$1,500	5	\$300
Fuel Storage								
	Main Tank	100%			2055	**	5	\$200
Lighting								
Interior Lighting								
	Fluorescent	95%			2027	\$18,000	10	\$6,100
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
	Incandescent	5%			2027	\$2,200	2	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Incandescent Lamps</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 151/LADDER CO. 76
Asset # : 13081

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Exterior Lighting HID	60%			2032	**	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior</i>								
<i>Explanation : Switch Operated</i>								
Incandescent	10%			2027	\$2,200	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior</i>								
<i>Explanation : Switch Operated</i>								
No Component	30%							
Lightning Protection								
Arresters/Cabling Generic	100%			2055	**	5	\$200	
Alarm								
Fire/Smoke Detection No Component Generic, Analog	80%			2027	\$14,500	1-3	\$900	
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2047	**	1		
Conversion Equipment Furnace	10%			2032	**	1	\$400	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1st Floor Lounge</i>								
<i>Explanation : Gas Fireplace</i>								
Steam Boiler	90%			2040	**	1	\$6,300	
Distribution Central Plant Steam Piping/Pmp	100%			2047	**	4	\$500	
Terminal Devices Convactor/Radiator	100%			2032	**	1	\$2,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : All Original Equipment</i>								
Air Conditioning								
Energy Source Electricity	100%			2043	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 151/LADDER CO. 76
Asset # : 13081

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Split Unit	10%			2027	\$14,000			
Window/Wall Unit	50%			2022	\$6,800	1		
No Component	40%							
Ventilation								
Exhaust Fans								
Interior	90%	Now	\$1,100	2027	\$21,000	2	\$200	
<i>Broken, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Bathroom</i>								
Wall Unit	10%			2032	**	2		
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Exterior Wall</i>								
<i>Explanation : Kitchen Hood Exhaust</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	10%			2047	**	1		
Galvanized Steel	90%			2032	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Cellar</i>								
<i>Explanation : No Dielectric Union Between Copper And Galvanized Pipe</i>								
Water Heater								
Gas Fired	100%			2025	\$4,000	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : One 75 Gallon Heater</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2021	\$200	4	\$100	
Backflow Preventer								
No Component	90%							
Generic	10%			2032	**	1		
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Cellar</i>								
<i>Explanation : On Boiler Make Up Water Feed</i>								
Fixtures								
Generic	100%							
<i>Obsolete Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : All Bathrooms</i>								

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 152
Address : 256 HYLAN BOULEVARD
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.152 / 13082 **Yr Built/Renovated** : 1930 /
Area Sq Ft : 6,128 **Project Type** : FIRE DEPARTMENT
Date of Survey : 04-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2856 **Lot** : 15 **BIN** : 5042846

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$47,700	
Interior Architecture	\$87,400	
Electrical		\$77,700
Total	\$135,100	\$77,700
Importance Code A	\$47,700	
Importance Code B	\$87,400	\$77,700
Total	\$135,100	\$77,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$15,100			\$2,600
Interior Architecture	\$37,600	\$800		\$700
Electrical	\$2,300	\$400	\$500	\$47,100
Mechanical	\$42,000	\$1,100	\$1,000	\$1,100
Site Pavements	\$2,300			
Total	\$99,300	\$2,400	\$1,500	\$51,600
Importance Code A	\$15,700	\$600	\$600	\$3,200
Importance Code B	\$60,200	\$1,200	\$900	\$48,300
Importance Code C	\$23,400	\$600		
Total	\$99,300	\$2,400	\$1,500	\$51,600



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FIRE DEPARTMENT - 057
ENGINE CO. 152
Asset # : 13082

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%			LIFE	**	5	\$16,800	
Masonry: Granite	3%			LIFE	**	5	\$500	
Masonry: Limestone	7%	4+	\$8,000	LIFE	**	5	\$1,100	
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Jamb At Overhead Doors</i>								
Masonry: Sandstone	5%			LIFE	**	5	\$800	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Bluestone Window Lintels Throughout</i>								
Wood Overhead Doors	5%			2032	**	5	\$5,200	
<i>Paint Peeling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%	4+	\$7,100	2035	**	5	\$900	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 90%</i>								
<i>Location : Perimeter Sealant At All Windows</i>								
Parapets								
Masonry: Brick	80%			LIFE	**	5	\$2,100	
Masonry: Limestone	20%			LIFE	**	5	\$700	
Roof								
Modified Bitumen	97%	0-2	\$47,700	2037	**			
<i>Alligatoring, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Light, Area Affected : 5%</i>								
<i>Location : Hylan Boulevard Elevation</i>								
<i>Seams Open/Split, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	3%			2047	**	10	\$800	

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 152
Asset # : 13082

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$47,600	LIFE	**	5	\$10,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i> <i>Location : Main Entrance And At Several Locations On Apparatus Floor</i> <i>Water Penetration, Extent : Moderate, Area Affected : 25%</i> <i>Location : Basement At All Elevations, Cellar Stairs</i> <i>Other Observation, Extent : Severe, Area Affected : 100%</i> <i>Location : Apparatus Floor</i> <i>Explanation : Floor Is Currently Shored By Steel Columns, Repair Or Replacement Is Required</i>								
Ceramic Tile	5%			2030	**	5	\$500	
Quarry Tile	5%			2032	**	5	\$700	
Terrazzo	5%	Now	\$400	LIFE	**	5	\$400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i> <i>Location : Office Space By Entrance</i>								
Vinyl Tile	35%	2-4	\$10,900	2037	**	3	\$1,200	
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 40%</i> <i>Location : Vinyl Base</i> <i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i> <i>Location : Throughout</i>								
Interior Walls								
Cast in Place Concrete	25%	Now	\$18,800	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i> <i>Location : Diagonal Cracks At North And West Foundation</i>								
Ceramic Tile	10%			2030	**	5	\$1,200	
Gypsum Board	5%			LIFE	**	5	\$400	
Marble Panels	5%			LIFE	**			
Plaster	25%	0-2	\$2,400	LIFE	**	5	\$900	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i> <i>Location : 2nd Floor Stair And Bathroom</i>								
SGFT/Glazed Masonry	25%			LIFE	**			
Wood	5%			LIFE	**	5	\$2,400	

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FIRE DEPARTMENT - 057
ENGINE CO. 152
Asset # : 13082

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	20%			2044	**	5	\$1,800	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
Exposed Concrete	45%	Now	\$39,800	LIFE	**	5	\$600	
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Apparatus Floor Is Temporarily Shored With Steel Columns, Replacement Is Required.</i>								
Plaster	35%	Now	\$4,200	LIFE	**	5	\$2,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor Throughout</i>								
Site Enclosure								
Fence/Gates								
Chain link	100%			2037	**			
Retaining Walls								
Cast in Place Concrete	100%			2047	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$2,300	2040	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Pavement Located Adjacent To Generator</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2027	\$4,800	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service 200 Amp</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2027	\$48,800	5		
Raceway								
Conduit	95%			2027	\$29,700	1		
Conduit	5%			2047	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 152
Asset # : 13082

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Molded Case Bkrs	75%			2026	\$28,900	5	\$100	
Molded Case Bkrs	25%			2043	**	5		
Wiring								
Thermoplastic	100%			2037	**	1		
Motor Controllers								
Locally Mounted	100%			2025	\$14,400	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Motor Controller For Overhead Door</i>								
Ground								
Grounding Devices								
Generic	100%	0-2	\$1,900	LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded</i>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2040	**	1	\$1,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Rating Not Visible</i>								
Generators								
Diesel	100%			2036	**	1	\$2,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior Side Yard</i>								
<i>Explanation : Rated At 40 Kva</i>								
Batteries								
Nickel Cadmium	100%			2022	\$1,500	5	\$1,400	
Fuel Storage								
Day Tank	100%			2043	**	5	\$1,100	
Lighting								
Interior Lighting								
Fluorescent	100%			2022	\$16,600	10	\$5,600	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Exterior Lighting								
HID	75%			2022	\$17,300	10		
<i>Outdr Lights On During Daytime, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Exterior</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior</i>								
<i>Explanation : Operated Via Photocell</i>								
Incandescent	25%			2022	\$4,900	2		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 152
Asset # : 13082

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Steam Boiler	100%			2040	**	1	\$6,100	
Distribution								
Central Plant Steam Piping/Pmp	100%			2037	**	4	\$300	
Terminal Devices								
Convactor/Radiator	90%			2025	\$27,600	1	\$1,800	
Convactor/Radiator	10%	Now	\$300	2032	**	1	\$200	
<i>Malfunctioning, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor Radiator</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Radiator Valves Missing/ Broken</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2049	**	1		
Conversion Equipment								
Window/Wall Unit	60%			2025	\$7,200	1		
Window/Wall Unit	20%	Now	\$2,400	2027	\$2,400	1		
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Not Operating</i>								
No Component	20%							
Dehumidifier								
Generic	100%			2028	\$200			
Ventilation								
Exhaust Fans								
Interior	10%	Now	\$2,000	2037	**	2		
<i>Unit Inoperable, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Roof</i>								
Interior	70%			2027	\$14,300	2	\$100	
Roof	10%			2032	**	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Kitchen Exhaust</i>								
Wall Unit	10%	Now	\$100	2032	**	2		
<i>Malfunctioning, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
Plumbing								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 152
Asset # : 13082

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
H/C Water Piping	Brass/Copper	20%	2-4	\$4,300	2037	**	1	
<i>Corroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
H/C Water Piping	Galvanized Steel	80%	4+	\$8,000	2032	**	1	
<i>Corroded, Extent : Light, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Not Insulated, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : No Dielectric Fittings</i>								
Water Heater	Gas Fired	100%			2025	\$3,500	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Two 75 Gallon Heaters</i>								
Sanitary Piping	Cast Iron	100%	4+	\$16,800	LIFE	**	1	
<i>Corroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
Storm Drain Piping	Cast Iron	100%	4+	\$7,200	LIFE	**	1	
<i>Corroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Sump Pump(s)	Submersible	100%			2020	\$200	4	\$200
Backflow Preventer	No Component	95%						
	Generic	5%			2035	**	1	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Boiler Feed</i>								
Fixtures	Generic	100%						
<i>Obsolete Fixtures, Extent : Light, Area Affected : 40%</i>								
<i>Location : 2nd Floor</i>								
Fire Suppression	Chemical System							
	Wet	10%			2022	\$200	1-3	\$500
	No Component	90%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 153/LADDER CO. 77
Address : 74 BROAD STREET
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.153 / 13083 **Yr Built/Renovated** : 1915 / 2003
Area Sq Ft : 9,504 **Project Type** : FIRE DEPARTMENT
Date of Survey : 04-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 529 **Lot** : 9 **BIN** : 5013836

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$184,900	\$68,700
Interior Architecture	\$76,700	
Mechanical		\$207,900
Site Pavements	\$35,900	
Total	\$297,500	\$276,600
Importance Code A	\$184,900	\$126,200
Importance Code B	\$76,700	\$150,400
Importance Code C	\$35,900	
Total	\$297,500	\$276,600

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$62,800	\$5,900		
Interior Architecture	\$61,700	\$700	\$200	
Electrical	\$1,800	\$200	\$100	\$13,800
Mechanical	\$49,300	\$1,300	\$1,500	\$12,500
Site Pavements	\$12,300			
Total	\$187,900	\$8,100	\$1,700	\$26,200
Importance Code A	\$63,700	\$6,900	\$900	\$900
Importance Code B	\$110,200	\$1,300	\$800	\$25,300
Importance Code C	\$13,900			
Total	\$187,900	\$8,100	\$1,700	\$26,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 153/LADDER CO. 77
Asset # : 13083

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$107,000	LIFE	**	5	\$17,800	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Stair Bulkhead</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Rusted Relieving Angles At Windows</i>								
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : East Facade, West Facade</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	5%	4+	\$14,300	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Chipped Corners At Overhead Doors</i>								
Masonry: Limestone	10%	4+	\$25,800	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Entrance</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Cornice</i>								
Wood Overhead Doors	10%			2040	**	5	\$11,800	
Windows								
Aluminum	100%	4+	\$13,700	2043	**	5	\$800	
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
Parapets								
Cast Stone/Terra Cotta	10%	0-2	\$9,000	LIFE	**	5	\$2,800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Terra Cotta Copings Are Broken</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Deteriorated Mortar Joints At Coping Units, Various Locations</i>								
Masonry: Brick	90%			LIFE	**	5	\$3,200	
Roof								
Modified Bitumen	95%	2-4	\$41,200	2027	\$68,700			
<i>Blisters, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Main Roof Broad Street Corner</i>								
<i>Drains Clogged, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
<i>Ponding, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	3%			2053	**	10	\$1,200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 50%</i>								
<i>Location : Hook And Ladder Side Of Roof</i>								
Skylight, Metal/Glass	2%	Now	\$36,700	2057	**			1
<i>Water Penetration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Second Floor - Skylight Deteriorated</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 153/LADDER CO. 77
Asset # : 13083

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior Floors								
Cast in Place Concrete	75%	Now	\$20,700	LIFE	**	5	\$21,800	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Glass Block Pavement At Side Yard</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Diagonal Cracks At The 1st And 2nd Floor Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement Towards Front Of Building</i>								
Ceramic Tile	10%	2-4	\$1,300	2036	**	5	\$700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen And Bathroom At 1st Floor</i>								
Quarry Tile	5%	0-2	\$7,600	2032	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Kitchen</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Bathroom 2nd Floor</i>								
Vinyl Tile	10%			2027	\$11,300	3	\$500	
Interior Walls								
Ceramic Tile	10%	4+	\$1,000	2036	**	5	\$900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
Masonry: Brick	60%	0-2	\$8,500	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : First Floor</i>								
Plaster	30%	Now	\$4,400	LIFE	**	5	\$1,600	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Second Floor Locations</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Hose Tower</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Kitchen, Second Floor</i>								
Ceilings								
AcousTileSusp.Lay-In	10%			2040	**	5	\$1,300	
Exposed Struc: Steel	55%	Now	\$76,700	LIFE	**			
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Steel In Cellar Boiler Room Near Foundation Wall Is Deteriorating</i>								
<i>Other Observation, Extent : Light, Area Affected : 25%</i>								
<i>Location : 1st Floor Framing</i>								
<i>Explanation : Missing Fireproofing</i>								
Plaster	35%	Now	\$18,300	LIFE	**	5	\$2,900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Second Floor Around Skylight Area</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Second Floor Around Skylight Area</i>								

Site Pavements

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 153/LADDER CO. 77
Asset # : 13083

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%	Now	\$12,300	2047	**			
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*Other Observation, Extent : Severe, Area Affected : 100%**Location : Sidewalk In Front Of Building Is Leaking Into Basement**Explanation : Leakage Is Rusting Support Steel Below*

On-Site Walkways

Pavers/Stone	100%	Now	\$35,900	2042	**			
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*Broken/Missing Elements, Extent : Severe, Area Affected : 100%**Location : Precast Concrete/ Glass Paver At Side Yards/ Missing Glass Elements Allowing**Water Into The Basement*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Over 600 Volts

Service Equipment

Fused Disc Sw	100%			2047	**	3		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 400 Amperes Disconnect Switch*

Under 600 Volts

Switchgear / Switchboard

Molded Case Bkrs	100%			2047	**	5	\$300	
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Raceway

Conduit	90%			2047	**	1		
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Conduit	10%	0-2	\$1,600	2037	**	1		
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*Corroded, Extent : Light, Area Affected : 100%**Location : Excessive Corrosion In Basement*

Panelboards

Molded Case Bkrs	100%			2035	**	5	\$300	
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Wiring

Thermoplastic	100%			2047	**	1		
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Motor Controllers

Locally Mounted	100%			2040	**	5	\$100	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : 1st Floor**Explanation : Motorized Door Operators - Garage Doors*

Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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FIRE DEPARTMENT - 057
ENGINE CO. 153/LADDER CO. 77
Asset # : 13083

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	75%			2027	\$19,300	10	\$6,500	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fluorescent	25%			2022	\$6,400	10	\$2,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Second Floor</i>								
Egress Lighting Exit, Service	25%			2027	\$300	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Only</i>								
<i>Explanation : Exit Lights Observed</i>								
No Component	75%							
Exterior Lighting HID	100%			2032	* *	10		
Alarm								
Fire/Smoke Detection No Component Generic, Analog	90%							
	5%	Now	\$200	2037	* *	1-3	\$300	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Battery Operated Smoke Detectors Missing</i>								
Generic, Analog	5%			2022	\$4,900	1-3	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Hardwired Smoke Detectors Observed</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2037	* *	1		
<i>Corroded, Extent : Light, Area Affected : 10%</i>								
<i>Location : Ground Water In Basement</i>								
Conversion Equipment Steam Boiler	100%			2025	\$57,500	1	\$9,400	
Distribution Central Plant Steam Piping/Pmp	100%			2027	\$150,400	4	\$700	
Terminal Devices Convactor/Radiator	100%			2032	* *	1	\$3,100	
Air Conditioning								
Energy Source Electricity	100%			2049	* *	1		

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 153/LADDER CO. 77
Asset # : 13083

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Window/Wall Unit	60%			2022	\$11,100	1		
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%	Now	\$1,600	LIFE	**	2-5	\$1,100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen Hood</i>								
<i>Explanation : Improper Installation</i>								
No Component	80%							
Exhaust Fans								
Interior								
	20%	Now	\$6,300	2037	**	2		
<i>Broken, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Bathrooms</i>								
Interior	60%			2032	**	2	\$200	
Roof	10%			2035	**	2		
Roof	10%	Now	\$1,500	2037	**	2		
<i>Damaged, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	90%			2037	**	1		
Galvanized Steel	10%			2032	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Cellar Mechanical Room</i>								
<i>Explanation : No Dielectric Fittings At Connection.</i>								
Water Heater								
Gas Fired								
	100%			2025	\$5,400	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Cellar Mechanical Room</i>								
<i>Explanation : 75 Gallon Water Heater</i>								
Sanitary Piping								
Cast Iron								
	40%	0-2	\$26,000	LIFE	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Cellar Level</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
<i>Explanation : Pipe Hangers Disintegrated</i>								
Cast Iron	60%			LIFE	**	1		
Storm Drain Piping								
Cast Iron								
	90%	Now	\$10,000	LIFE	**	1		
<i>Corroded, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Basement</i>								
Cast Iron	10%	0-2	\$1,900	LIFE	**	1		
<i>Leak Evident, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Roof Drain</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 153/LADDER CO. 77
Asset # : 13083

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Sump Pump(s) Submersible	100%			2019	\$300	4	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Cellar Mechanical Room</i>								
<i>Explanation : Natural Stream Near Firehouse. Sumps Constantly Running</i>								
<hr/>								
Backflow Preventer Generic	10%			2032	* *	1	\$100	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Cellar Mechanical Room</i>								
<i>Explanation : On Boiler Make Up Water Feed</i>								
<hr/>								
Generic	90%			2032	* *	1	\$500	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : On Main Water Service</i>								
<hr/>								
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 154/S.I. BORO COMMAND
Address : 3730 VICTORY BOULEVARD
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.154 / 13084 **Yr Built/Renovated** : 1972 /
Area Sq Ft : 9,014 **Project Type** : FIRE DEPARTMENT
Date of Survey : 12-May-2016 **Landmark Status** : NONE
Areas Surveyed : Floors 1,2
Block : 2665 **Lot** : 25 **BIN** : 5041882

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$126,400	
Interior Architecture		\$22,900
Electrical		\$38,500
Total	\$126,400	\$61,400
Importance Code A	\$126,400	
Importance Code B		\$61,400
Total	\$126,400	\$61,400

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$5,200	\$3,400		\$2,000
Interior Architecture	\$18,500	\$4,000	\$2,800	
Electrical	\$1,600	\$2,500	\$800	\$20,100
Mechanical	\$1,000	\$1,000	\$700	\$6,800
Site Pavements	\$9,200			
Total	\$35,400	\$10,900	\$4,300	\$28,900
Importance Code A	\$5,600	\$3,800	\$400	\$2,500
Importance Code B	\$4,200	\$7,100	\$2,400	\$26,400
Importance Code C	\$25,600		\$1,400	
Total	\$35,400	\$10,900	\$4,300	\$28,900



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 154/S.I. BORO COMMAND
Asset # : 13084

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%	Now	\$3,600	2037	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Porch Addition At Back Yard</i>								
Cast in Place Concrete	10%			LIFE	**	5	\$10,800	
Masonry: Brick	75%			LIFE	**	5	\$16,200	
Metal Sect. OHD	10%			2040	**	5	\$6,700	
Windows								
Aluminum	100%	Now	\$126,400	2052	**	5	\$1,500	
<i>Crwt/Balnc Not Funct, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
<i>Caulking Deteriorated, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Thermally Inefficient</i>								
Parapets								
Metal Cornice	30%			2042	**	10	\$2,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Metal Coping At Perimeter</i>								
Not Accessible	70%							
Roof								
Asphalt Shingle	3%	0-2	\$1,600	2042	**			
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Roof At Rear</i>								
Not Accessible	96%							
Not Accessible	1%							
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$11,800	
Ceramic Tile	8%			2036	**	5	\$1,100	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Under Construction</i>								
Ceramic Tile	7%			2036	**	5	\$900	
Terrazzo	5%			LIFE	**	5	\$500	
Vinyl Tile	20%			2027		3	\$1,000	
Vinyl Tile	20%			2032	**	3	\$1,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Bunk Areas</i>								
<i>Explanation : Under Construction</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 154/S.I. BORO COMMAND
Asset # : 13084

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Interior

Interior Walls

Ceramic Tile	7%			2036	**	5	\$1,300	
Ceramic Tile	8%			2036	**	5	\$1,500	

Other Observation, Extent : Light, Area Affected : 50%

Location : 2nd Floor

Explanation : Under Construction

Concrete Masonry Unit	15%			LIFE	**	5	\$1,100	
Gypsum Board	5%			LIFE	**	5	\$600	
Plaster	20%			LIFE	**	5	\$1,100	
SGFT/Glazed Masonry	45%	Now	\$16,400	LIFE	**			

Broken/Missing Elements, Extent : Moderate, Area Affected : 10%

Location : 1st Floor Apparatus Area

Ceilings

AcousTileSusp.Lay-In	55%			2040	**	5	\$7,400	
Gypsum Board	5%	0-2	\$2,000	LIFE	**	5	\$800	

Water Penetration, Extent : Moderate, Area Affected : 15%

Location : 1st Floor Rear

Plaster	20%			LIFE	**	5	\$1,700	
Plaster	20%			LIFE	**	5	\$1,700	

Other Observation, Extent : Moderate, Area Affected : 100%

Location : 2nd Floor

Explanation : Under Construction

Site Enclosure

Fence/Gates

Chain link	100%			2037	**			
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Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2032	**			
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Parking/Driveway

Cast in Place Concrete	100%	Now	\$9,200	2032	**			
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Broken/Missing Elements, Extent : Moderate, Area Affected : 30%

Location : Apparatus Entrance

Electrical		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2037	**	5		
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Other Observation, Extent : Light, Area Affected : 100%

Location : 1st Floor Electrical Room

Explanation : 400 Amp

Raceway

Conduit	100%			2027	\$31,300	1		
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Panelboards

Molded Case Bkrs	100%			2026	\$38,500	5	\$200	
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 154/S.I. BORO COMMAND
Asset # : 13084

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Wiring								
	Braided Cloth	30%			2026	\$8,300	1	
	Thermoplastic	70%			2037	**	1	
Motor Controllers								
	Locally Mounted	100%			2032	**	5	\$100
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$100
Stand-by Power								
Transfer Switches								
	Automatic	100%			2032	**	1	\$2,800
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 400 Amp, 3 Pole</i>							
Generators								
	Diesel	100%			2030	**	1	\$3,500
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Side Yard</i>							
	<i>Explanation : Exterior</i>							
Batteries								
	Lead/Acid	100%			2020	\$1,500	5	\$300
Fuel Storage								
	Day Tank	25%			2035	**	5	\$400
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Inside Emergency Generator Enclosure</i>							
	<i>Explanation : Sub-Base Diesel Fuel Tank</i>							
	Main Tank	75%			2042	**	5	\$200
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Above Ground, Side Yard</i>							
	<i>Explanation : 500 Gallon Diesel Fuel Tank</i>							
Lighting								
Interior Lighting								
	Fluorescent	30%			2022	\$7,300	10	\$2,500
	<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout Building</i>							
	Fluorescent	65%			2027	\$15,900	10	\$5,400
	<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout Building</i>							
	Incandescent	5%			2027	\$2,900	2	
Egress Lighting								
	Emergency, Service	50%			2022	\$2,200	1	
	No Component	50%						
Exterior Lighting								
	HID	75%			2032	**	10	
	Incandescent	25%			2022	\$7,200	2	
Alarm								

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FIRE DEPARTMENT - 057
ENGINE CO. 154/S.I. BORO COMMAND
Asset # : 13084

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Fire/Smoke Detection

No Component

95%

Generic, Digital

5% Now

\$900 2037

* * 1-3

\$200

*Devices Missing, Extent : Moderate, Area Affected : 100%**Location : First Floor**Local/Battery Operated Detect, Extent : Light, Area Affected : 100%**Location : First Floor*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2047

* * 1

Conversion Equipment

Hot Water Boiler

100%

2040

* * 1

\$4,500

Distribution

Hot Wtr Piping/Pump

100%

2043

* * 4

\$700

Terminal Devices

Convactor/Radiator

80%

2040

* * 1

\$2,300

Unit Heater - Steam

20%

2027

\$6,000 4

\$200

Air Conditioning

Energy Source

Electricity

100%

2043

* * 1

Conversion Equipment

Split Unit

15%

2032

* *

Window/Wall Unit

35%

2022

\$6,100 1

No Component

20%

Under Construction

30%

*Other Observation, Extent : Light, Area Affected : 0%**Location : 2nd Floor**Explanation : Under Construction***Ventilation**

Distribution

Not Accessible

100%

Exhaust Fans

Wall Unit

25%

2027

\$800 2

\$100

Not Accessible

75%

Plumbing

H/C Water Piping

Brass/Copper

100%

2047

* * 1

*Not Insulated, Extent : Light, Area Affected : 50%**Location : 1st Floor*

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FIRE DEPARTMENT - 057
ENGINE CO. 154/S.I. BORO COMMAND
Asset # : 13084

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Water Heater Gas Fired	100%			2025	\$5,100	2	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Mechanical Room</i>					
			<i>Explanation : 2 - 75 Gallon Units</i>					
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Sump Pump(s) Non-Submersible	100%			2032	**	4	\$300
	Sewage Ejector(s) Electric	100%			2032	**	4	\$500
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Mechanical Room</i>					
			<i>Explanation : Duplex Unit</i>					
Fixtures								
	Under Construction	70%						
			<i>Other Observation, Extent : Light, Area Affected : 0%</i>					
			<i>Location : 2nd Floor</i>					
			<i>Explanation : Bathrooms Under Construction</i>					
	Generic	30%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 155/LADDER CO. 78
Address : 14 BRIGHTON AVENUE
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.155 / 13085 **Yr Built/Renovated** : 1931 / 2004
Area Sq Ft : 6,108 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 103 **Lot** : 20 **BIN** : 5002472

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$63,600	\$134,300
Electrical		\$70,900
Site Pavements	\$71,600	
Total	\$135,200	\$205,200
Importance Code A	\$63,600	\$134,300
Importance Code B		\$70,900
Importance Code C	\$71,600	
Total	\$135,200	\$205,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$44,600	\$6,900	\$1,400	
Interior Architecture	\$16,100	\$1,200	\$200	
Electrical	\$16,700	\$400	\$400	\$4,400
Mechanical	\$1,200	\$800	\$1,200	\$10,400
Total	\$78,600	\$9,400	\$3,200	\$14,800
Importance Code A	\$45,300	\$7,500	\$2,000	\$600
Importance Code B	\$23,300	\$1,200	\$1,200	\$14,200
Importance Code C	\$10,000	\$600		
Total	\$78,600	\$9,400	\$3,200	\$14,800



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FIRE DEPARTMENT - 057
ENGINE CO. 155/LADDER CO. 78
Asset # : 13085

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	76%	2-4	\$63,600	LIFE	**	5	\$21,100	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Parapet Area Front (North) Elevation</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front (north) And Side (East) Elevations</i>								
Masonry: Granite	1%			LIFE	**	5	\$200	
Masonry: Limestone	13%	4+	\$7,900	LIFE	**	5	\$2,700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
Wood Overhead Doors	10%			2025	\$87,800	5	\$13,900	
Windows								
Aluminum	85%	0-2	\$26,400	2035	**	5	\$800	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Window Lintels Along Front (North) Elevation</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : 2nd Floor Front</i>								
Wood	15%			2026	\$7,800	5	\$2,800	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1st Floor Side</i>								
<i>Explanation : Glass Block At Exterior Side Of Wood Windows</i>								
Parapets								
Cast Stone/Terra Cotta	20%	Now	\$2,400	LIFE	**	5	\$2,900	
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Coping At Side Wall Parapet And Throughout</i>								
Masonry: Brick	75%			LIFE	**	5	\$1,400	
Masonry: Limestone	5%	4+	\$1,900	LIFE	**	5	\$100	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front (north) Has Been Poorly Repaired</i>								
Roof								
Asphalt Shingle	10%			2036	**	10	\$200	
Modified Bitumen	88%	0-2	\$4,700	2027	\$46,600			
<i>Miss/Damaged Flashings, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Main Roof</i>								
Skylight, Metal/Glass	2%	Now	\$1,300	2047	**			1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Broken Glazing At Roof Scuttle</i>								

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 155/LADDER CO. 78
Asset # : 13085

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	60%	0-2	\$5,700	LIFE	**	5	\$12,000	
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
Ceramic Tile	5%			2036	**	5	\$500	
Quarry Tile	3%			2040	**	5	\$400	
Vinyl Tile	32%			2032	**	3	\$1,100	
Interior Walls								
Cast in Place Concrete	15%	4+	\$6,000	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
Ceramic Tile	10%			2040	**	5	\$1,300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Gypsum Board	10%			LIFE	**	5	\$800	
Plaster	40%	0-2	\$4,000	LIFE	**	5	\$1,500	
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor Roof Scuttle And Basement</i>								
SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	10%			2044	**	5	\$900	
Exposed Concrete	30%			LIFE	**	5	\$400	
Exposed Struc: Steel	20%			LIFE	**			
Plaster	40%			LIFE	**	5	\$2,300	
<i>Recent Repair Evident, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Site Enclosure								
Fence/Gates								
Chain link	100%			2037	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2032	**			
Parking/Driveway								
Asphalt	100%	2-4	\$71,600	2042	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Rear Parking Lot</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

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FIRE DEPARTMENT - 057
ENGINE CO. 155/LADDER CO. 78
Asset # : 13085

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Service Equipment								
	Fused Disc Sw	100%			2037	**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Section</i>								
<i>Explanation : 200 Amp</i>								
<hr/>								
Raceway								
	Conduit	80%			2037	**	1	
	Conduit	20%	4+	\$2,500	2037	**	1	
<i>Covers Missing, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 2nd Floor</i>								
<hr/>								
Panelboards								
	Molded Case Bkrs	80%			2035	**	5	\$100
	Molded Case Bkrs	20%			2026		5	\$7,700
<hr/>								
Wiring								
	Braided Cloth	20%	2-4	\$5,500	2052	**	1	
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
	Thermoplastic	80%			2037	**	1	
<hr/>								
Motor Controllers								
	Locally Mounted	100%			2032	**	5	
<hr/>								
Ground								
Grounding Devices								
	Generic	100%	4+	\$3,800	LIFE	**	5	\$100
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement Water Service</i>								
<i>Explanation : Ground Clamp Is Frayed</i>								
<hr/>								
Lighting								
Interior Lighting								
	Fluorescent	80%			2027	\$13,200	10	\$4,500
<i>Motion Sensors in Use, Extent : Light, Area Affected : 75%</i>								
<i>Location : 1st And 2nd Floors</i>								
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
	Fluorescent	10%	0-2	\$1,700	2037	**		
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
	Incandescent	10%			2022	\$3,900	2	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : T. V. And Dining Room And Kitchen</i>								
<i>Explanation : Downlights</i>								
<hr/>								
Exterior Lighting								
	HID	100%			2027	\$23,000	10	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Facade And Side Yard</i>								
<i>Explanation : Wall Mounted, Controlled Via Switch</i>								

Alarm

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FIRE DEPARTMENT - 057
ENGINE CO. 155/LADDER CO. 78
Asset # : 13085

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Fire/Smoke Detection
Generic, Analog

100% 0-2 \$3,200 2027 \$63,200 1-3 \$3,400

Devices Missing, Extent : Moderate, Area Affected : 50%

Location : 2nd Floor Locker Room

Local/Battery Operated Detect, Extent : Light, Area Affected : 100%

Location : Throughout

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas 100% 2047 * * 1

Conversion Equipment

Hot Water Boiler 10% 2032 * * 1 \$300

Other Observation, Extent : Light, Area Affected : 100%

Location : Basement Rear

Explanation : Serves Members Room

Steam Boiler 90% 2-4 \$700 2025 \$33,300 1 \$4,900

Other Observation, Extent : Severe, Area Affected : 5%

Location : Basement

Explanation : 3rd Boiler Removed. Two Remaining In Bad Condition

Distribution

Hot Wtr Piping/Pump 10% 2035 * * 4

Central Plant Steam Piping/Pmp 90% 2037 * * 4 \$300

Terminal Devices

Convactor/Radiator 100% 2032 * * 1 \$2,000

Air Conditioning

Energy Source

Electricity 100% 2043 * * 1

Conversion Equipment

Split Unit 10% 2032 * *

Window/Wall Unit 80% 2022 \$9,500 1

No Component 10%

Ventilation

Distribution

Ductwork/Diffusers 20% LIFE * * 2-5 \$700

No Component 80%

Exhaust Fans

Interior 20% 2032 * * 2

Wall Unit 20% Now 2027 \$400 2

Other Observation, Extent : Moderate, Area Affected : 20%

Location : 2nd Floor

Explanation : Cover And Exterior Grill Missing

No Component 60%

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 155/LADDER CO. 78
Asset # : 13085

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
H/C Water Piping	Brass/Copper	100%			2037	**	1	
Water Heater	Gas Fired	100%			2025	\$3,500	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 - 75 Gallon Unit</i>								
Sanitary Piping	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)	Submersible	50%			2021	\$100	4	\$100
	Submersible	50%			2019	\$100	4	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Units In 3 Locations - 1 Older</i>								
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System	Wet	10%			2025	\$200	1-3	\$500
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Serves Cooking Area</i>								
	No Component	90%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 156
Address : 412 BROADWAY NEAR DELAFIELD AVE.
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.156 / 13086 **Yr Built/Renovated** : 1909 / 2001
Area Sq Ft : 4,354 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 217 **Lot** : 50 **BIN** : 5005815

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$48,600			\$10,100
Interior Architecture	\$7,100		\$400	
Electrical	\$9,400	\$300	\$300	\$4,500
Mechanical	\$26,000	\$600	\$800	\$700
Site Enclosure	\$400			
Total	\$91,500	\$900	\$1,500	\$15,300
Importance Code A	\$49,000	\$500	\$400	\$10,600
Importance Code B	\$42,500	\$500	\$900	\$4,800
Importance Code C			\$300	
Total	\$91,500	\$900	\$1,500	\$15,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 156
Asset # : 13086

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$28,700	LIFE	**	5	\$19,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%	0-2	\$14,400	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	10%			2032	**	5	\$11,900	
Windows								
Aluminum	100%			2043	**	5	\$1,000	
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$500	LIFE	**	5	\$1,400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	85%	0-2	\$4,300	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	5%	0-2	\$700	LIFE	**	5	\$100	
<i>Caulking Deteriorated, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Roof								
Asphalt Shingle	5%			2030	**	10		
Modified Bitumen	90%			2032	**	10	\$4,200	
Skylight, Metal/Glass	5%			2037	**	10	\$800	
<i>Not Insulated, Extent : Light, Area Affected : 100%</i>								
<i>Location : Skylight Is Not Thermally Broken</i>								
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$3,500	LIFE	**	5	\$7,300	
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
Ceramic Tile	5%			2036	**	5	\$400	
Wood	50%			2042	**	5	\$6,900	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Wooden Stair Treads Are Uneven And Loose</i>								
<i>Loose/Miss Fasteners, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Stair Railings Are Loose</i>								
Interior Walls								
Ceramic Tile	5%			2036	**	5	\$500	
Gypsum Board	60%			LIFE	**	5	\$3,700	
Masonry: Brick	25%			LIFE	**			
Plaster	10%			LIFE	**	5	\$300	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 156
Asset # : 13086

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	5%	0-2	\$200	2040	**	5	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Embossed Metal	70%			LIFE	**	5	\$2,300	
Exposed Struc: Steel	25%			LIFE	**			
Site Enclosure								
Fence/Gates								
Chain link	100%			2037	**			
Retaining Walls								
Cast in Place Concrete	100%	2-4	\$400	2047	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Yard Walls Have Several Cracks</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2032	**			
Activity Yard								
Cast in Place Concrete	100%			2032	**			
Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2047	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Amperes Main Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2047	**	5	\$100	
Raceway								
Conduit	100%	4+	\$1,600	2037	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Incoming Conduits And Supports</i>								
Panelboards								
Molded Case Bkrs	100%	2-4	\$1,900	2035	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Bunk Room</i>								
<i>Explanation : Circuit Breakers Serving Airconditioners Trip</i>								
Wiring								
Thermoplastic	100%			2047	**	1		
Motor Controllers								
Locally Mounted	100%			2044	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 156
Asset # : 13086

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	90%			2032	**	10	\$3,600	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	10%	4+	\$1,400	2027	\$2,800	2		
<i>Obsolete Fixtures, Extent : Light, Area Affected : 10%</i>								
<i>Location : Under Canopy 3rd Floor Gymnasium</i>								
Egress Lighting								
Emergency, Battery	50%			2032	**	10	\$500	
Exit, Service	50%			2032	**	1		
Exterior Lighting								
HID	100%			2035	**	10		
Alarm								
Security System								
No Component	95%							
Generic	5%			2027	\$700	1	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Cameras Observed</i>								
Fire/Smoke Detection								
Generic, Analog	100%	Now	\$4,500	2037	**	1-3	\$2,400	
<i>Devices Missing, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 1st And 2nd Floors</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floors</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Electricity	10%			2047	**	1		
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : 3rd Floor</i>								
<i>Explanation : Front Lounge And Weight Room</i>								
Natural Gas	90%	2-4	\$400	2057	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Ground Water In Basement Is Corroding Piping</i>								
Conversion Equipment								
Radiant Heater	10%			2032	**	2	\$200	
Steam Boiler	90%			2040	**	1	\$3,900	
<i>Other Observation, Extent : Light, Area Affected : 90%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Gas Fired Steam Boiler</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 156
Asset # : 13086

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
Distribution								
	Central Plant Steam Piping/Pmp	70%			2037	**	4	\$200
	Central Plant Steam Piping/Pmp	30%	Now	\$20,700	2057	**	4	\$100
<i>Broken, Extent : Severe, Area Affected : 50%</i> <i>Location : Basement</i> <i>Leak Evident, Extent : Severe, Area Affected : 50%</i> <i>Location : Basement</i> <i>Other Observation, Extent : Severe, Area Affected : 100%</i> <i>Location : Basement</i> <i>Explanation : Steam Return Cracked And Leaking</i>								
Terminal Devices								
	Convactor/Radiator	100%			2032	**	1	\$1,400
Air Conditioning								
Energy Source								
	Electricity	100%			2043	**	1	
Conversion Equipment								
	Window/Wall Unit	50%			2025	\$4,200	1	
	Window/Wall Unit	50%	0-2	\$4,200	2027	\$4,200	1	
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i> <i>Location : Throughout, Various Mechanical And Electrical Defects</i>								
Ventilation								
Exhaust Fans								
	Interior	50%			2032	**	2	\$100
	Roof	50%			2032	**	2	\$100
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2037	**	1	
<i>No Water Meter, Extent : Light, Area Affected : 100%</i> <i>Location : Basement</i>								
Water Heater								
	Gas Fired	100%			2025	\$2,500	2	\$100
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i> <i>Location : Basement</i>								
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2021	\$100	4	\$100
Backflow Preventer								
	No Component	80%						
	Generic	20%			2032	**	1	\$100
<i>Other Observation, Extent : Light, Area Affected : 20%</i> <i>Location : Basement</i> <i>Explanation : Boiler Feed</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 156
Asset # : 13086

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
Fixtures									
Generic									
		100%							
Fire Suppression									
Chemical System									
Wet									
		10%			2025	\$200	1-3	\$500	
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>							
		<i>Location : 3rd Floor</i>							
		<i>Explanation : Kitchen Hood</i>							
No Component									
		90%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 157/LADDER CO. 80
Address : 1573 CASTLETON AVENUE BTWN FABER ST - PORT RICHMOND AV
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.157 / 13087 **Yr Built/Renovated** : 1931 / 2003
Area Sq Ft : 6,296 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Mar-2013 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1080 **Lot** : 2 **BIN** : 5025442

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$7,800			\$1,800
Interior Architecture	\$24,700	\$400		\$400
Electrical	\$100		\$100	
Mechanical	\$1,800	\$1,100	\$900	\$11,100
Total	\$34,500	\$1,400	\$1,000	\$13,200
Importance Code A	\$8,400	\$600	\$600	\$2,400
Importance Code B	\$5,900	\$800	\$300	\$10,900
Importance Code C	\$20,200			
Total	\$34,500	\$1,400	\$1,000	\$13,200



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 157/LADDER CO. 80
Asset # : 13087

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	85%			LIFE	**	5	\$19,400	
Masonry: Granite	5%			LIFE	**	5	\$900	
Masonry: Limestone	5%			LIFE	**	5	\$900	
Metal Sect. OHD	5%			2037	**	5	\$3,600	
Windows								
Aluminum	100%	0-2	\$7,800	2040	**	5	\$900	
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor And Captain Office</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$700	
Masonry: Brick	90%			LIFE	**	5	\$800	
Roof								
Asphalt Shingle	20%			2033	**	10	\$300	
Roll Roofing	80%			2023		5	\$12,200	
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	**	5	\$12,400	
Ceramic Tile	5%			2033	**	5	\$500	
Quarry Tile	5%			2037	**	5	\$700	
Vinyl Tile	30%			2029	**	3	\$1,100	
Interior Walls								
Masonry: Brick	40%	Now	\$20,200	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement Gymnasium</i>								
Plaster	20%			LIFE	**	5	\$800	
SGFT/Glazed Masonry	40%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	30%	0-2	\$4,600	2037	**	5	\$1,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Second Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Kitchen, Second Floor</i>								
Exposed Concrete	35%			LIFE	**	5	\$500	
Exposed Struc: Steel	35%			LIFE	**			
Site Enclosure								
Fence/Gates								
Chain link	100%			2044	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2037	**			
Parking/Driveway								
Cast in Place Concrete	100%			2037	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 157/LADDER CO. 80
Asset # : 13087

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2044	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Amperes Main Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2044	**	5	\$200	
Raceway								
Conduit	90%			2034	**	1		
Conduit	10%			2050	**	1		
Panelboards								
Fused Disc Sw	5%			2032	**	5		
Molded Case Bkrs	95%			2046	**	5	\$200	
Wiring								
Thermoplastic	80%			2034	**	1		
Thermoplastic	20%			2050	**	1		
Motor Controllers								
Locally Mounted	100%			2029	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	100%			2024	\$17,100	10	\$5,800	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Egress Lighting								
Emergency, Battery	50%			2024	\$4,200	10	\$800	
Exit, Service	50%			2024	\$300	1		
Exterior Lighting								
HID	100%			2024	\$23,700	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2050	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 157/LADDER CO. 80
Asset # : 13087

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment								
Furnace	5%			2024	\$700	1	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : First Floor</i>						
		<i>Explanation : 2 Units</i>						
Steam Boiler	95%			2037	**	1	\$5,900	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One Unit</i>						
Distribution								
Central Plant Steam Piping/Pmp	100%			2044	**	4	\$500	
Terminal Devices								
Convactor/Radiator	100%			2029	**	1	\$2,000	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Cast Iron Radiators With One Pipe System</i>						
Air Conditioning								
Energy Source								
Electricity	100%			2040	**	1		
Conversion Equipment								
Window/Wall Unit	50%			2022	\$6,100	1		
No Component	50%							
Ventilation								
Exhaust Fans								
Interior	30%			2029	**	2	\$100	
Roof	60%			2024	\$5,900	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : No Access</i>						
No Component	10%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2044	**	1		
Water Heater								
Gas Fired	100%			2022	\$3,600	2	\$100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement Mechanical</i>						
		<i>Explanation : 2 Units - 74 Gal/hr Capacity</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%	Now	\$600	LIFE	**	1		
		<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Backs Up With Heavy Rain</i>						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 157/LADDER CO. 80
Asset # : 13087

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sump Pump(s)							
	Submersible	100%			2019	\$200	4	\$200
Fixtures								
	Generic	100%						
Fire Suppression								
	Chemical System							
	Wet	10%			2022	\$200	1-3	\$500
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : Ansul-102</i>					
	No Component	80%						
	Generic	10%			2022	\$200	1-3	\$400
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Fire Extinguishers</i>					

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 158
Address : 65 HARBOR RD
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.158 / 13088 **Yr Built/Renovated** : 1931 /
Area Sq Ft : 6,128 **Project Type** : FIRE DEPARTMENT
Date of Survey : 09-May-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1227 **Lot** : 25 **BIN** : 5027755

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$40,300
Mechanical		\$44,200
Total		\$84,500
Importance Code A		\$84,500
Total		\$84,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$2,400	\$3,800		\$4,300
Interior Architecture	\$19,500	\$2,100		\$24,100
Electrical	\$300	\$200	\$200	\$3,000
Mechanical	\$1,300	\$700	\$500	\$10,700
Site Pavements	\$800			
Total	\$24,300	\$6,800	\$700	\$42,100
Importance Code A	\$2,700	\$4,100	\$300	\$4,600
Importance Code B	\$5,800	\$2,100	\$400	\$37,500
Importance Code C	\$15,800	\$600		
Total	\$24,300	\$6,800	\$700	\$42,100



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 158
Asset # : 13088

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2047	**	10	\$300	
Masonry: Brick	80%			LIFE	**	5	\$17,300	
<i>Recent Repair Evident, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	5%			LIFE	**	5	\$800	
Masonry: Limestone	5%	4+	\$2,400	LIFE	**	5	\$800	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Wood Overhead Doors	5%			2025	\$34,100	5	\$5,400	
Windows								
Aluminum	100%			2035	**	5	\$1,700	
Parapets								
Metal Panel	85%			2047	**	5	\$7,300	
Metal Panel	15%			2037	**	5	\$1,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Parapet</i>								
<i>Explanation : Metal Coping</i>								
Roof								
Asphalt Shingle	15%			2030	**	10	\$200	
Modified Bitumen	83%			2027	\$40,300	10	\$6,900	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	2%			2037	**	10	\$600	
<i>Gut/DS Non Func/Miss, Extent : Light, Area Affected : 100%</i>								
<i>Location : Missing Leader And Splash Block At Skylight</i>								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$10,200	
Ceramic Tile	10%			2040	**	5	\$900	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout Bathrooms</i>								
Vinyl Tile	30%			2022	\$23,700	3	\$1,400	
Wood	10%			2055	**	5	\$1,700	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 158
Asset # : 13088

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Cast in Place Concrete	20%	Now	\$14,900	LIFE		**		
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement At Front Of Building</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement At Front Of Building</i>								
Ceramic Tile	10%			2040	**	5	\$1,200	
<i>Recent Construction, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout Bathrooms</i>								
Gypsum Board	5%			LIFE	**	5	\$400	
Plaster	30%			LIFE	**	5	\$1,100	
Plywood/Hardboard	5%			LIFE	**			
SGFT/Glazed Masonry	30%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	5%			2025	\$3,500	5	\$400	
Exposed Concrete	30%	Now	\$4,200	LIFE	**	5	\$400	
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Of Building In Basement</i>								
<i>Spalling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Below Driveway Apron In Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Front Of Building In Basement</i>								
Plaster	65%			LIFE	**	5	\$3,500	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Site Enclosure								
Fence/Gates								
Chain link	100%			2037	**			
Site Pavements								
Parking/Driveway								
Cast in Place Concrete	100%	4+	\$800	2032	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front Of Building At Entry</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2053	**	5		
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Raceway								
Conduit	75%			2027	\$23,500	1		
Conduit	25%			2053	**	1		

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 158
Asset # : 13088

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Molded Case Bkrs	100%			2049	**	5	\$200	
Wiring								
Thermoplastic	100%			2053	**	1		
Motor Controllers								
Locally Mounted	100%			2044	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	**	1	\$1,900	
Lighting								
Interior Lighting								
Fluorescent	50%			2032	**	10	\$2,800	
			<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Other Observation, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Burnt Out</i>					
Incandescent	5%			2027	\$2,000	2		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Dining Room</i>					
			<i>Explanation : Downlights</i>					
LED	45%			2035	**			
Egress Lighting								
Exit, LED	100%			2062	**	1		
Exterior Lighting								
HID	50%			2027	\$11,600	10		
HID	50%			2032	**	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%	0-2	\$100	2047	**	1		
			<i>Corroded, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Basement</i>					
Conversion Equipment								
Hot Water Boiler	100%			2025	\$44,200	1	\$3,000	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 Boilers</i>					

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FIRE DEPARTMENT - 057
ENGINE CO. 158
Asset # : 13088

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Hot Wtr Piping/Pump	100%			2035	**	4	\$500	
<i>Not Insulated, Extent : Light, Area Affected : 60%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Explanation : Dissimilar Metals With No Barrier</i>								
Terminal Devices								
Convactor/Radiator	95%			2032	**	1	\$1,900	
Unit Heater - Steam	5%			2027	\$1,000	4		
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Window/Wall Unit	80%			2022	\$9,600	1		
No Component	20%							
Ventilation								
Exhaust Fans								
Roof	70%			2035	**	2	\$100	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
Wall Unit	30%			2022	\$600	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	60%			2047	**	1		
<i>Not Insulated, Extent : Light, Area Affected : 60%</i>								
<i>Location : Basement</i>								
Under Construction	40%							
HW Heat Exchanger								
Steam Fired	100%			2047	**	4	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 75 Gallon Indirect Water Heater</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	50%			2020	\$100	4	\$100	
Submersible	50%			2019	\$100	4	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Units In 2 Locations / 1 Older</i>								
Backflow Preventer								
No Component	95%							
Generic	5%			2032	**	1		

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 158
Asset # : 13088

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing	Fixtures							
	Generic	100%						
			<i>Not in Service, Extent : Moderate, Area Affected : 80%</i>					
			<i>Location : 2nd Floor Bathrooms</i>					
			<i>Other Observation, Extent : Moderate, Area Affected : 80%</i>					
			<i>Location : 2nd Floor</i>					
			<i>Explanation : Under Construction</i>					
Fire Suppression	Chemical System							
	Wet	10%			2025	\$200	1-3	\$500
	No Component	90%						

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 159
Address : 1592 RICHMOND ROAD
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.159 / 13089 **Yr Built/Renovated** : 1930 /
Area Sq Ft : 6,220 **Project Type** : FIRE DEPARTMENT
Date of Survey : 27-Mar-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3306 **Lot** : 8 **BIN** : 5048682

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$80,400
Interior Architecture	\$49,100	
Total	\$49,100	\$80,400
Importance Code A		\$80,400
Importance Code B	\$49,100	
Total	\$49,100	\$80,400

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$9,300		\$4,000	
Interior Architecture	\$68,500		\$800	\$700
Electrical	\$1,900		\$100	
Mechanical	\$5,400	\$900	\$8,300	\$4,400
Total	\$85,000	\$900	\$13,100	\$5,200
Importance Code A	\$10,100	\$600	\$4,600	\$600
Importance Code B	\$65,400	\$300	\$8,500	\$4,200
Importance Code C	\$9,400			\$300
Total	\$85,000	\$900	\$13,100	\$5,200



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 159
Asset # : 13089

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Exterior									
Exterior Walls									
Masonry: Brick	75%			LIFE	**	5	\$19,300		
Masonry: Granite	3%			LIFE	**	5	\$600		
Masonry: Limestone	7%			LIFE	**	5	\$1,300		
Metal Sect. OHD	10%			2036	**	5	\$8,000		
Stucco Cement	5%	0-2	\$3,700	2028	\$37,100	5	\$1,600		
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Recently Repaired Diagonal Cracks At The Hose Tower Are Deteriorating</i>									
Windows									
Aluminum	100%			2039	**	5	\$2,500		
Parapets									
Masonry: Brick	95%			LIFE	**	5	\$2,400		
Metal Panel	5%			2033	**	5	\$500		
Roof									
Built-Up (BUR)	100%	0-2	\$4,300	2028	\$43,200				
<i>Air/Water Blisters, Extent : Moderate, Area Affected : 90%</i>									
<i>Location : Corners At Street Side</i>									
<i>Patching Evident, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Various Locations</i>									
Interior									
Floors									
Cast in Place Concrete	50%	0-2	\$26,400	LIFE	**	5	\$11,100		
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Apparatus</i>									
<i>Explanation : Structurally Insufficient, Temporarily Shored With Steel Columns And Beams</i>									
Quarry Tile	10%			2036	**	5	\$1,500		
Terrazzo	10%			LIFE	**	5	\$800		
Vinyl Tile	30%	0-2	\$7,800	2023	\$25,900	3	\$1,100		
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Multiple Locations Throughout The 2nd Floor</i>									
Interior Walls									
Ceramic Tile	4%			2032	**	5	\$600		
Gypsum Board	5%			LIFE	**	5	\$500		
Masonry: Brick	30%			LIFE	**				
Marble Panels	6%			LIFE	**				
Plaster	25%	Now	\$9,400	LIFE	**	5	\$1,200		
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Throughout The 2nd Floor</i>									
<i>Paint Peeling, Extent : Moderate, Area Affected : 40%</i>									
<i>Location : Cellar Stairs And Hose Shaft</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 50%</i>									
<i>Location : Multiple Locations Throughout The 2nd Floor And Stairs</i>									
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : 2nd Floor</i>									
<i>Explanation : Several Of The Wood Doors Are Cracked And Worn</i>									
SGFT/Glazed Masonry	30%			LIFE	**				

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 159
Asset # : 13089

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	10%	0-2	\$800	2028	\$8,200	5	\$500	
<i>Water Penetration, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen/ Dining Room And At 2nd Floor Steam Pipe Penetration</i>								
Exposed Concrete	30%	Now	\$49,100	LIFE	**	5	\$500	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar Ceiling/ Apparatus</i>								
<i>Explanation : Structurally Insufficient, Temporarily Shored With Steel Columns And Beams</i>								
Plaster	60%	0-2	\$24,000	LIFE	**	5	\$3,800	
<i>Paint Peeling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Cellar Stairs And 2nd Floor Stairs</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Various Locations On The 2nd Floor Ceiling</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%	0-2	\$200	2043	**	5	\$100	
<i>On Extended Life, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement - Telephone Service</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Rating Of Main Switch Not Visible</i>								
Raceway								
Conduit	100%			2033	**	1		
Panelboards								
Molded Case Bkrs	95%			2031	**	5	\$200	
Molded Case Bkrs	5%			2045	**	5		
Wiring								
Thermoplastic	100%			2033	**	1		
Motor Controllers								
Locally Mounted	100%			2028	\$14,400	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Motorized Door Operators</i>								
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 159
Asset # : 13089

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	90%			2023	\$15,200	10	\$5,100	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	10%			2023	\$4,000	2		
<i>Obsolete Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : In Pole Area</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : In Pole Areas Only</i>								
Egress Lighting Emergency, Service	100%			2023	\$3,100	1		
Exterior Lighting								
HID	100%			2028	\$23,500	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Entire Exterior</i>								
<i>Explanation : Operated Via Switch</i>								
Alarm								
Fire/Smoke Detection No Component Generic	95%	5% Now	\$1,600	2033	**	1-3	\$200	
<i>Devices Missing, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Battery Operated Smoke Detectors Are Missing Throughout</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2049	**	1		
Conversion Equipment Steam Boiler	100%			2040	**	1	\$6,200	
Distribution Central Plant Steam Piping/Pmp	10%			2049	**	4		
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Cellar Mechanical Area</i>								
<i>Explanation : Recently Installed With New Boiler</i>								
Central Plant Steam Piping/Pmp	90%			2033	**	4	\$300	
Terminal Devices Convactor/Radiator	100%			2036	**	1	\$2,000	
Air Conditioning								
Energy Source Electricity	100%			2045	**	1		

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 159
Asset # : 13089

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Window/Wall Unit	60%			2021	\$7,300	1		
No Component	40%							
Ventilation								
Exhaust Fans								
Interior	100%			2028	\$20,700	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	30%			2049	**	1		
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Cellar Mechanical Area</i>								
<i>Explanation : Installed With New Water Heater</i>								
Galvanized Steel	70%			2036	**	1		
Water Heater								
Gas Fired								
	100%			2022	\$3,500	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Cellar Mechanical Area</i>								
<i>Explanation : New 75 Gallon Hot Water Heater</i>								
Sanitary Piping								
Cast Iron	90%			LIFE	**	1		
Cast Iron	10%	0-2	\$4,300	LIFE	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Cellar</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2019	\$200	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	90%							
Generic	10%			2043	**	1-2	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Ansul Over Range</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 16
Address : 234 EAST 29th STREET @ 2ND AVE.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.016 / 13012 **Yr Built/Renovated** : 1968 /
Area Sq Ft : 6,676 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 909 **Lot** : 35 **BIN** : 1019903

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$60,800	
Electrical		\$83,400
Total	\$60,800	\$83,400
Importance Code A	\$60,800	
Importance Code B		\$83,400
Total	\$60,800	\$83,400

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$12,000	\$26,700		
Interior Architecture	\$8,400	\$800	\$800	\$500
Electrical	\$700		\$100	\$29,500
Mechanical	\$800	\$600	\$900	\$600
Total	\$21,900	\$28,100	\$1,800	\$30,600
Importance Code A	\$12,300	\$27,000	\$300	\$300
Importance Code B	\$9,600	\$1,100	\$900	\$30,300
Importance Code C			\$600	
Total	\$21,900	\$28,100	\$1,800	\$30,600



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 16
Asset # : 13012

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%			LIFE	**	5	\$14,500	
Marble Panels	10%			LIFE	**	5	\$1,400	
Wood Overhead Doors	10%			2040	**	5	\$9,000	
Windows								
Aluminum	100%			2043	**	5	\$500	
Parapets								
Metal Rail	100%			2040	**	5-10	\$36,600	
Roof								
IRMA/Protected Membrane	65%	Now	\$60,800	2037	**			
			<i>Grvl/Blst Miss/Disp, Extent : Moderate, Area Affected : 30%</i>					
			<i>Location : Main Roof</i>					
			<i>Vegetation Growth, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : South East</i>					
			<i>Worn/Eroded, Extent : Severe, Area Affected : 75%</i>					
			<i>Location : Main Roof</i>					
Modified Bitumen	35%	Now	\$12,000	2027	\$23,900			
			<i>Other Observation, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Addition At Rear Of Building</i>					
			<i>Explanation : Abandoned Roof Repairs</i>					
Interior								
Floors								
Cast in Place Concrete	50%	4+	\$5,400	LIFE	**	5	\$11,300	
			<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Apparatus Room</i>					
Ceramic Tile	5%			2036	**	5	\$500	
Quarry Tile	10%			2040	**	5	\$1,600	
Vinyl Tile	35%	0-2	\$3,100	2032	**	3	\$1,400	
			<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Throughout</i>					
Interior Walls								
Ceramic Tile	10%			2036	**	5	\$1,100	
Concrete Masonry Unit	10%			LIFE	**	5	\$500	
Plaster	40%			LIFE	**	5	\$1,400	
SGFT/Glazed Masonry	40%			LIFE	**			
Ceilings								
Exposed Concrete	75%			LIFE	**	5	\$1,200	
Plaster	25%			LIFE	**	5	\$1,600	
			<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>					
			<i>Location : 2nd Floor Corridor</i>					
Site Enclosure								
Fence/Gates								
Chain link	100%			2037	**			
Site Pavements								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 16
Asset # : 13012

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Public Sidewalk

Cast in Place Concrete

100%

2032

* *

On-Site Walkways

Cast in Place Concrete

100%

2032

* *

Parking/Driveway

Cast in Place Concrete

100%

2032

* *

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw

100%

2027

\$4,800

5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 400 Amperes*

Switchgear / Switchboard

Fused Disc Sw

100%

2027

\$48,800

5

Raceway

Conduit

100%

2027

\$31,300

1

Panelboards

Molded Case Bkrs

90%

2026

\$34,600

5

\$200

Molded Case Bkrs

10%

2043

* *

5

Wiring

Thermoplastic

100%

2027

\$27,700

1

Motor Controllers

Locally Mounted

100%

2025

\$14,400

5

Ground

Grounding Devices

Generic

100%

LIFE

* *

5

\$100

Lighting

Interior Lighting

Incandescent

10%

2022

\$4,300

2

LED

90%

2032

* *

Egress Lighting

Exit, Service

50%

2027

\$400

1

No Component

50%

Exterior Lighting

HID

100%

2022

\$25,200

10

Alarm

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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FIRE DEPARTMENT - 057
ENGINE CO. 16
Asset # : 13012

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Fire/Smoke Detection

No Component

95%

Generic, Digital

5% Now

\$700 2037

* *

1-3

\$200

*Devices Missing, Extent : Moderate, Area Affected : 100%**Location : 1st And 2nd Floors**Local/Battery Operated Detect, Extent : Light, Area Affected : 100%**Location : 1st And 2nd Floors*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2047

* *

1

Conversion Equipment

Hot Water Boiler

100%

2032

* *

1

\$3,300

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One Unit*

Distribution

Hot Wtr Piping/Pump

100%

2043

* *

4

\$500

Terminal Devices

Convactor/Radiator

90%

2040

* *

1

\$1,900

Unit Heater - Steam

10%

2027

\$2,200

4

\$100

Air Conditioning

Energy Source

Electricity

100%

2043

* *

1

Conversion Equipment

Window/Wall Unit

100%

2025

\$13,000

1

Ventilation

Distribution

Ductwork/Diffusers

10%

LIFE

* *

2-5

\$400

No Component

90%

Exhaust Fans

Interior

60%

2032

* *

2

\$100

Roof

40%

2032

* *

2

\$100

Plumbing

H/C Water Piping

Brass/Copper

75%

2047

* *

1

Galvanized Steel

25%

2040

* *

1

Water Heater

Gas Fired

100%

2025

\$3,800

2

\$100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 2 Units 74 Gallon With Pump*

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 16
Asset # : 13012

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2021	\$200	4	\$100
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	Wet	10%			2025	\$200	1-3	\$500
	No Component	90%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 160/RESCUE 5
Address : 1850 CLOVE ROAD @ TARGEE ST.
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.160 / 13090 **Yr Built/Renovated** : 1913 / 2006
Area Sq Ft : 8,077 **Project Type** : FIRE DEPARTMENT
Date of Survey : 27-Mar-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 3153 **Lot** : 38 **BIN** : 5046179

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$64,400
Interior Architecture		\$51,000
Electrical	\$34,600	\$48,800
Mechanical		\$48,900
Total	\$34,600	\$213,100
Importance Code A		\$113,200
Importance Code B	\$34,600	\$99,800
Total	\$34,600	\$213,100

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$13,200	\$6,800	\$10,100	
Interior Architecture	\$41,900		\$1,300	\$1,700
Electrical	\$48,100	\$1,300	\$600	\$700
Mechanical	\$1,400	\$1,200	\$15,500	\$1,200
Total	\$104,500	\$9,300	\$27,500	\$3,500
Importance Code A	\$15,400	\$7,600	\$10,900	\$800
Importance Code B	\$74,700	\$1,700	\$16,600	\$1,800
Importance Code C	\$14,300			\$900
Total	\$104,500	\$9,300	\$27,500	\$3,500



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 160/RESCUE 5
Asset # : 13090

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%			LIFE	**	5	\$23,300	
Masonry: Granite	3%			LIFE	**	5	\$700	
Masonry: Limestone	10%			LIFE	**	5	\$2,200	
Wood Overhead Doors	7%			2028	\$64,400	5	\$10,200	
Windows								
Aluminum	100%	0-2	\$13,200	2045	**	5	\$1,600	
<i>Weather Strip Missing, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Glazing Gaskets Are Failing At Multiple Window Locations Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$4,800	
Masonry: Brick	60%			LIFE	**	5	\$1,900	
Metal Rail	20%			2040	**	5-10	\$11,200	
Roof								
Built-Up (BUR)	100%			2031	**	10	\$10,100	
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$11,700	
Ceramic Tile	7%			2026	\$18,100	5	\$900	
Quarry Tile	8%			2036	**	5	\$1,600	
Vinyl Tile	45%	0-2	\$10,200	2028	\$51,000	3	\$2,300	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd And 3rd Floor</i>								
Interior Walls								
Ceramic Tile	10%			2032	**	5	\$1,800	
Gypsum Board	25%			LIFE	**	5	\$2,800	
Masonry: Brick	40%	2-4	\$14,300	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Cellar Weight Room And Vault</i>								
Plaster	25%			LIFE	**	5	\$1,400	
Ceilings								
AcousTileSusp.Lay-In	40%	4+	\$900	2040	**	5	\$2,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 3rd Floor Ceiling, Multiple Locations</i>								
Exposed Struc: Steel	20%	0-2	\$11,200	LIFE	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Rusted Steel Lintel At The Rear Of The Foundation Wall/ Vault</i>								
Gypsum Board	10%			LIFE	**	5	\$1,700	
Plaster	30%	Now	\$5,300	LIFE	**	5	\$2,500	
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor Office, Bunkroom And Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout 2nd Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 160/RESCUE 5
Asset # : 13090

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment Fused Disc Sw	100%	2-4	\$1,500	2043	**	5		
<i>On Extended Life, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement - Telephone Service</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Building Has 2 Electric Services, Rating Not Visible</i>								
Switchgear / Switchboard Molded Case Bkrs	100%			2023	\$48,800	5	\$200	
Raceway Conduit	100%			2033	**	1		
Panelboards Molded Case Bkrs	90%			2022	\$34,600	5	\$200	
Molded Case Bkrs	10%			2031	**	5		
Wiring Thermoplastic	100%			2033	**	1		
Motor Controllers Locally Mounted	100%			2028	\$14,400	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Motorized Door Operators For Garage Doors</i>								
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Grounds Present - Both Electric Services Are Grounded</i>								
Stand-by Power								
Transfer Switches Automatic	100%			2036	**	1	\$2,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : (2) Transfer Switches Present - (1) 400 A And (1) 200 A</i>								
Generators Diesel	100%	4+	\$6,600	2036	**	1	\$2,800	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Suspect Water Damage, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement - Users State That The Exhaust Leaks</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 83 K V A</i>								
Fuel Storage Day Tank	100%			2045	**	5	\$1,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 75 Gallon</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 160/RESCUE 5
Asset # : 13090

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	90%			2028	\$19,700	10	\$6,700	
<i>Motion Sensors in Use, Extent : Light, Area Affected : 50%</i>								
<i>Location : 2nd And 3rd Floors</i>								
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	10%			2019	\$5,200	2		
<i>Obsolete Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Dining Area And Pole Areas</i>								
Egress Lighting Emergency, Service	5%			2028	\$200	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement - Generator Room</i>								
<i>Explanation : One Emergency Light Observed</i>								
No Component	95%							
Exterior Lighting HID	100%	Now	\$30,500	2033		**		
<i>Malfunctioning, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Entire Exterior</i>								
Alarm								
Fire/Smoke Detection No Component	95%							
Generic	5%	Now	\$4,200	2033		**	1-3	\$200
<i>Devices Missing, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout - Battery Operated Smoke Detectors Are Missing</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2043		**	1	
Conversion Equipment Steam Boiler	100%			2028	\$48,900	1	\$8,000	
Distribution Central Plant Steam Piping/Pmp	100%			2043		**	4	\$600
Terminal Devices Convactor/Radiator	100%			2036		**	1	\$2,600
Air Conditioning								
Energy Source Electricity	100%			2039		**	1	
Conversion Equipment Window/Wall Unit	60%			2021	\$9,400	1		
No Component	40%							
Ventilation								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 160/RESCUE 5
Asset # : 13090

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
Distribution								
	Ductwork/Diffusers	50%			LIFE	**	2-5	\$2,300
	No Component	50%						
Exhaust Fans								
	Roof	50%			2028	\$6,300	2	\$100
	Wall Unit	50%			2028	\$1,300	2	\$100
Plumbing								
H/C Water Piping								
	Brass/Copper	20%			2043	**	1	
			<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Throughout Basement</i>					
			<i>Explanation : No Dielectric Fittings</i>					
	Galvanized Steel	80%			2036	**	1	
			<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Throughout Basement</i>					
			<i>Explanation : No Dielectric Fitting Between Dissimilar Metals. Will Eventually Cause Corrosion.</i>					
Water Heater								
	Gas Fired	100%			2021	\$4,600	2	\$100
			<i>Other Observation, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Cellar Mechanical Room</i>					
			<i>Explanation : 2-75 Gallon Heaters</i>					
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Backflow Preventer								
	Generic	100%			2028	\$1,900	1	\$500
Fire Suppression								
Sprinkler								
	No Component	90%						
	Generic	10%			2049	**	1-2	\$200
			<i>Other Observation, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : New Ansul System Over Range</i>					

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 161
Address : 278 McCLEAN AVENUE
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.161 / 13091 **Yr Built/Renovated** : 1931 /
Area Sq Ft : 6,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 01-May-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3108 **Lot** : 25 **BIN** : 5045654

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$98,500	\$114,500
Interior Architecture	\$190,900	
Total	\$289,300	\$114,500
Importance Code A	\$98,500	\$114,500
Importance Code B	\$190,900	
Total	\$289,300	\$114,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$108,000			\$300
Interior Architecture	\$26,300			\$400
Electrical	\$10,900		\$100	
Mechanical	\$19,500	\$1,100	\$14,100	\$1,100
Total	\$164,700	\$1,100	\$14,200	\$1,800
Importance Code A	\$111,500	\$600	\$600	\$900
Importance Code B	\$45,300	\$500	\$13,600	\$900
Importance Code C	\$7,900			
Total	\$164,700	\$1,100	\$14,200	\$1,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 161
Asset # : 13091

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2043	**	10	\$400	
Masonry: Brick	65%	0-2	\$98,500	LIFE	**	5	\$16,300	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : McClean Avenue Facade Lintels</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout All Elevations</i>								
Masonry: Granite	5%	0-2	\$7,400	LIFE	**	5	\$900	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Mcclean Avenue Elevation</i>								
Masonry: Limestone	7%	0-2	\$9,600	LIFE	**	5	\$1,300	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Front Facade</i>								
Masonry: Sandstone	3%	0-2	\$2,900	LIFE	**	5	\$600	
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : East And West Elevation</i>								
Stucco Cement	7%	Now	\$10,200	2028	\$50,900	5	\$2,200	
<i>Diagonal Cracks, Extent : Severe, Area Affected : 33%</i>								
<i>Location : Hose Tower</i>								
Wood Overhead Doors	8%			2028	\$63,600	5	\$10,100	
Windows								
Aluminum	100%	0-2	\$15,500	2031	**	5	\$900	
<i>Air Infiltration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Captains Office</i>								
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 33%</i>								
<i>Location : Missing And/ Or Broken Insect Screens</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor South And West Walls</i>								
Parapets								
Cast Stone/Terra Cotta	15%	Now	\$3,500	LIFE	**	5	\$2,200	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : All Parapet Elevations</i>								
Masonry: Brick	85%	0-2	\$18,300	LIFE	**	5	\$1,600	
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Parapet</i>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 161
Asset # : 13091

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Asphalt Shingle	20%			2032	**	10	\$300	
Built-Up (BUR)	80%	Now	\$9,400	2019	\$31,200			
<i>Alligatoring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Blisters, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Grvl/Blst Miss/Disp, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 33%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	50%	0-2	\$46,600	LIFE	**	5	\$9,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Cellar, Multiple Locations</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus</i>								
<i>Explanation : Floor Is Temporarily Shored To Carry Truck Load, Repair Or Replacement Is Required</i>								
Quarry Tile	10%			2028	\$25,800	5	\$1,300	
Terrazzo	5%			LIFE	**	5	\$400	
Vinyl Tile	35%	0-2	\$8,000	2023	\$26,700	3	\$1,200	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 33%</i>								
<i>Location : Throughout The Second Floor</i>								
Interior Walls								
Cast in Place Concrete	25%			LIFE	**			
Masonry: Brick	5%			LIFE	**			
Marble Panels	5%			LIFE	**			
Plaster	40%	0-2	\$7,900	LIFE	**	5	\$1,500	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 33%</i>								
<i>Location : Bulkhead/ Hose Tower</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Locker Room At West</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Roof Bulkhead/ Hose Tower</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 33%</i>								
<i>Location : 2nd Floor Hallway Adjacent To The Bathroom, Stairs, Captains Office And Locker Room</i>								
SGFT/Glazed Masonry	25%			LIFE	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 161
Asset # : 13091

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	15%	0-2	\$2,200	2028	\$10,900	5	\$700	
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Bunkroom</i>								
Exposed Concrete	50%	0-2	\$144,200	LIFE	**	5	\$700	
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Cellar</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Structure Is Temporarily Shored With Steel Columns To Carry Truck Load, Repair Or Replacement Is Required.</i>								
Plaster	35%	0-2	\$8,200	LIFE	**	5	\$2,000	
<i>Paint Peeling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Hose Tower</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Hallway Adjacent To The Locker Room And Hose Tower</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%	4+	\$2,900	2033	**	5		
<i>Enclosure Corroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>On Extended Life, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Suspect Water Damage, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Service Size: 200 Amp</i>								
Raceway								
Conduit	90%			2033	**	1		
Conduit	10%	0-2	\$1,300	2033	**	1		
<i>Covers Missing, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Panelboards								
Molded Case Bkrs	100%			2031	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Circuit Breakers Trip</i>								
Wiring								
Thermoplastic	100%			2033	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 161
Asset # : 13091

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2028	\$14,400	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Motor Controller For One Overhead Door</i>						
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	60%			2023	\$9,800	10	\$3,300	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
Fluorescent	30%			2023	\$4,900	10	\$1,700	
		<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
Incandescent	10%			2019	\$3,800	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement And 1st Floor</i>						
		<i>Explanation : Fire Watch And Television Room</i>						
Exterior Lighting								
HID	100%	4+	\$2,300	2023	\$22,600			
		<i>Outdr Lights On During Daytime, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Exterior - Front</i>						
Lightning Protection								
Arresters/Cabling								
Generic	100%			2038	**	5	\$200	
Alarm								
Fire/Smoke Detection								
No Component	98%							
Generic	2%	Now	\$600	2023	\$1,200	1-3	\$100	
		<i>Devices Damaged, Extent : Severe, Area Affected : 50%</i>						
		<i>Location : 1st Floor Television Room</i>						
		<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st And 2nd Floors</i>						

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Steam Boiler	100%			2036	**	1	\$5,900	

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FIRE DEPARTMENT - 057
ENGINE CO. 161
Asset # : 13091

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
	Central Plant Steam Piping/Pmp	100%		2043	**	4	\$400	
Terminal Devices								
	Convactor/Radiator	100%		2028	\$30,000	1	\$1,900	
Air Conditioning								
Energy Source								
	Electricity	100%		2045	**	1		
Conversion Equipment								
	Split Unit	20%		2028	\$24,000			
	Window/Wall Unit	60%		2021	\$7,000	1		
	No Component	20%						
Ventilation								
Exhaust Fans								
	Interior	90%		2019	\$18,000	2	\$200	
<i>Obsolete Equipment, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Total House</i>								
	Roof	10%		2028	\$900	2		
Plumbing								
H/C Water Piping								
	Brass/Copper	20%		2043	**	1		
	Galvanized Steel	80%		2028	\$19,700	1		
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Cellar</i>								
<i>Explanation : No Dielectric Fittings</i>								
Water Heater								
	Gas Fired	100%		2021	\$3,400	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : One 75 Gallon Heater</i>								
Sanitary Piping								
	Cast Iron	100%		LIFE	**	1		
Storm Drain Piping								
	Cast Iron	100%		LIFE	**	1		
Sump Pump(s)								
	Submersible	100%		2019	\$200	4	\$200	
Fixtures								
	Generic	100%						
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : New Fixtures</i>								
Fire Suppression								
Chemical System								
	Wet	100%		2021	\$2,100	1-3	\$4,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Over Range</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 161
Asset # : 13091

Print Date : 13-Oct-2017 **FIRE DEPARTMENT - FY 2018**

Asset Name	: ENGINE CO. 162/LADDER CO. 82/ BATTALION 23		
Address	: 256 NELSON AVENUE		
Borough	: STATEN ISLAND	Agency's Number	: N/A
Program / Asset #	: FIRSECO.162 / 13092	Yr Built/Renovated	: 1928 /
Area Sq Ft	: 8,429	Project Type	: FIRE DEPARTMENT
Date of Survey	: 03-Apr-2012	Landmark Status	: NONE
Areas Surveyed	: Basement, Roof, Floors 1,2		
Block	: 5271	Lot	: 31
		BIN	: 5067428

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$62,700	
Interior Architecture	\$48,200	
Electrical	\$26,900	
Mechanical	\$45,900	\$42,200
Total	\$183,700	\$42,200
Importance Code A	\$108,600	
Importance Code B	\$75,100	\$42,200
Total	\$183,700	\$42,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$31,400		\$4,100	
Interior Architecture	\$38,800		\$400	\$1,000
Electrical	\$7,100	\$500	\$500	\$7,600
Mechanical	\$14,900	\$1,300	\$9,000	\$1,300
Total	\$92,300	\$1,800	\$13,900	\$10,000
Importance Code A	\$32,200	\$800	\$4,900	\$800
Importance Code B	\$54,600	\$1,000	\$8,700	\$9,200
Importance Code C	\$5,500		\$400	
Total	\$92,300	\$1,800	\$13,900	\$10,000



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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 162/LADDER CO. 82/ BATTALION 23
Asset # : 13092

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2043	**	10	\$400	
Masonry: Brick	75%	4+	\$11,800	LIFE	**	5	\$19,500	
<i>Efflorescence, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Front Facade</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Moss Growth At Mortar Joints At Front Facade</i>								
Masonry: Granite	5%			LIFE	**	5	\$1,000	
Masonry: Limestone	5%			LIFE	**	5	\$1,000	
Metal Sect. OHD	10%			2036	**	5	\$8,100	
Windows								
Aluminum	100%	Now	\$2,100	2031	**	5	\$1,300	
<i>Crtrwt/Balnc Not Funct, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	80%	0-2	\$6,700	LIFE	**	5	\$2,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front Parapet, Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Rear Wall Of Smaller Roof</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Coping, Main Roof</i>								
<i>Explanation : Sealant Joints Open At Copings</i>								
Masonry: Limestone	20%			LIFE	**	5	\$700	
Roof								
Asphalt Shingle	15%			2026		10	\$300	
Modified Bitumen	85%			2019		10	\$10,800	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$13,100	LIFE	**	5	\$13,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Room</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement</i>								
Ceramic Tile	5%			2032	**	5	\$600	
Vinyl Tile	45%	0-2	\$48,200	2033	**	3	\$2,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 162/LADDER CO. 82/ BATTALION 23
Asset # : 13092

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Interior Walls

Cast in Place Concrete	10%	4+	\$5,500	LIFE	**			
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*Spalling, Extent : Moderate, Area Affected : 15%**Location : Basement Walls**Water Penetration, Extent : Moderate, Area Affected : 5%**Location : Basement Stair, Front Basement Wall*

Ceramic Tile	5%			2026	\$23,900	5	\$900	
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Plaster	52%			LIFE	**	5	\$2,700	
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 2%**Location : Walls At Roof Scuttle*

Plywood/Hardboard	3%			LIFE	**			
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SGFT/Glazed Masonry	30%			LIFE	**			
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Ceilings

AcousTileSusp.Lay-In	5%			2028	\$5,100	5	\$600	
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Exposed Concrete	25%	Now	\$20,300	LIFE	**	5	\$500	
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 15%**Location : Basement**Spalling, Extent : Moderate, Area Affected : 20%**Location : Basement**Water Penetration, Extent : Moderate, Area Affected : 15%**Location : Basement**Other Observation, Extent : Severe, Area Affected : 100%**Location : Apparatus Floor**Explanation : Apparatus Slab Is Not Designed For Current Loads - Needs To Be Replaced*

Plaster	70%			LIFE	**	5	\$5,500	
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2043	**	5	\$200	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement Electrical Section**Explanation : 200 Amp*

Raceway

Conduit	100%			2043	**	1		
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Panelboards

Molded Case Bkrs	30%			2039	**	5	\$100	
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Molded Case Bkrs	70%			2022	\$26,900	5	\$200	
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Wiring

Braided Cloth	25%			2022	\$6,900	1		
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Thermoplastic	75%			2043	**	1		
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Motor Controllers

Locally Mounted	100%			2028	\$14,400	5	\$100	
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Ground

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 162/LADDER CO. 82/ BATTALION 23
Asset # : 13092

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting Fluorescent	80%			2028	\$18,300	10	\$6,200	
	<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
Fluorescent	10%	Now	\$2,300	2033	**			
	<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
	<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
Incandescent	10%			2023	\$5,400	2		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Dining Room, T. V. Room And 1st Floor Gymnasium</i>							
	<i>Explanation : Downlights</i>							
Egress Lighting								
Emergency, Service	50%			2023	\$2,100	1		
Exit, Service	50%			2023	\$500	1		
Exterior Lighting								
HID	100%	Now	\$500	2033	**			
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Facade And Side Yard</i>							
	<i>Explanation : Wall Mounted, Controlled Via Photocell</i>							
Alarm								
Fire/Smoke Detection Generic	100%	Now	\$4,400	2033	**	1-3	\$4,700	
	<i>Devices Damaged, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Smoke Detectors Throughout</i>							
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2043	**	1		
Conversion Equipment								
Hot Water Boiler	10%			2036	**	1	\$400	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Small Boiler In Rear Of Basement Serves Members Room</i>							
Steam Boiler	90%			2021	\$45,900	1	\$7,500	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Three Small Boilers Piped Together</i>							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 162/LADDER CO. 82/ BATTALION 23
Asset # : 13092

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
Distribution								
	Hot Wtr Piping/Pump	10%			2039	**	4	\$100
	Central Plant Steam Piping/Pmp	90%			2033	**	4	\$400
Terminal Devices								
	Convactor/Radiator	100%			2028	\$42,200	1	\$2,700
Air Conditioning								
Energy Source								
	Electricity	100%			2039	**	1	
Conversion Equipment								
	Window/Wall Unit	80%			2019	\$13,100	1	
	No Component	20%						
Ventilation								
Exhaust Fans								
	Wall Unit	100%			2023	\$2,800	2	\$300
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2033	**	1	
Water Heater								
	Gas Fired	100%			2021	\$4,800	2	\$100
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 1 - 75 Gallon Unit</i>							
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2019	\$300	4	\$300
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 2 Units In Same Pit</i>							
Backflow Preventer								
	No Component	95%						
	Generic	5%			2028	\$100	1	
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System								
	Wet	100%			2021	\$2,100	1-3	\$4,200
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Kitchen</i>							
	<i>Explanation : Serves Cooking Area</i>							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 163/LADDER 83
Address : 875 JEWETT AVENUE
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.163 / 13093 **Yr Built/Renovated** : 1932 /
Area Sq Ft : 8,408 **Project Type** : FIRE DEPARTMENT
Date of Survey : 04-Apr-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 377 **Lot** : 18 **BIN** : 5010816

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$76,100
Interior Architecture	\$156,800	
Total	\$156,800	\$76,100
Importance Code A		\$76,100
Importance Code B	\$156,800	
Total	\$156,800	\$76,100

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$29,100			
Interior Architecture	\$30,600		\$1,500	\$1,200
Electrical	\$5,700	\$800	\$7,700	\$900
Mechanical	\$15,100	\$1,400	\$8,800	\$1,400
Total	\$80,500	\$2,200	\$18,000	\$3,500
Importance Code A	\$29,900	\$800	\$800	\$800
Importance Code B	\$50,600	\$1,400	\$17,200	\$1,900
Importance Code C				\$800
Total	\$80,500	\$2,200	\$18,000	\$3,500



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 163/LADDER 83
Asset # : 13093

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	0-2	\$11,600	LIFE	**	5	\$19,300	
<i>Efflorescence, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front And Side Facades</i>								
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Facade, Right Side Facade, Near Front</i>								
Masonry: Granite	10%			LIFE	**	5	\$1,800	
Wood Overhead Doors	10%			2028	\$76,100	5	\$12,000	
Windows								
Aluminum	100%	4+	\$4,800	2039	**	5	\$1,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Screens Missing Side And Rear</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Front Office</i>								
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$900	
Masonry: Brick	85%			LIFE	**	5	\$2,000	
Masonry: Granite	10%			LIFE	**	5	\$300	
Roof								
Modified Bitumen	100%	4+	\$12,600	2031	**			
<i>Blisters, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Ponding, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$35,600	LIFE	**	5	\$12,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor Near Overhead Doors</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Cellar Front</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Apparatus</i>								
<i>Explanation : Structurally Insufficient</i>								
Ceramic Tile	10%			2036	**	5	\$1,100	
Quarry Tile	5%			2028	\$16,400	5	\$900	
Terrazzo	5%			LIFE	**	5	\$400	
Vinyl Tile	30%	4+	\$1,500	2019	\$29,100	3	\$1,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 163/LADDER 83
Asset # : 13093

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	10%			2032	**	5	\$1,600	
Concrete Masonry Unit	25%			LIFE	**	5	\$1,600	
Marble Panels	10%			LIFE	**			
Plaster	20%			LIFE	**	5	\$900	
SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	17%			2036	**	5	\$1,900	
Exposed Concrete	33%	Now	\$121,200	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Structurally Insufficient</i>								
Plaster	50%			LIFE	**	5	\$3,600	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2043	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 400 Amp</i>								
Raceway								
Conduit	100%			2033	**	1		
Panelboards								
Molded Case Bkrs	100%			2045	**	5	\$200	
<i>Covers Missing, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Locker Room Ceiling Junction Box</i>								
Wiring								
Thermoplastic	100%			2033	**	1		
Motor Controllers								
Locally Mounted	100%			2028		5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								

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FIRE DEPARTMENT - 057
ENGINE CO. 163/LADDER 83
Asset # : 13093

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Transfer Switches Automatic	100%			2040	**	1	\$2,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Transfer Switch Is Installed To Support Planned Emergency Generator Installation</i>								
Lighting								
Interior Lighting Fluorescent	90%			2031	**	10	\$6,900	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fluorescent	5%	Now	\$1,100	2033	**			
<i>Not in Service, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Oil Tank Area</i>								
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Oil Tank Area</i>								
Incandescent	5%			2023		2	\$2,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : T. V. Room 1st Floor</i>								
<i>Explanation : Downlights</i>								
Egress Lighting								
Exit, Service No Component	50%			2023		1	\$500	
<i>Location : Throughout</i>								
Exterior Lighting								
HID	100%			2023		10	\$31,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Facade And Side Yard</i>								
<i>Explanation : Wall Mounted, Controlled Via Photocell</i>								
Alarm								
Fire/Smoke Detection Generic	100%	0-2	\$4,300	2033	**	1-3	\$4,700	
<i>Devices Damaged, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2043	**	1		
Conversion Equipment Steam Boiler	100%			2036	**	1	\$8,300	
Distribution Central Plant Steam Piping/Pmp	100%			2043	**	4	\$600	

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 163/LADDER 83
Asset # : 13093

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
	Terminal Devices							
	Convactor/Radiator	100%		2036	**	1	\$2,700	
Air Conditioning								
	Energy Source							
	Electricity	100%		2039	**	1		
	Conversion Equipment							
	Window/Wall Unit	80%		2019	\$13,100	1		
	No Component	20%						
Ventilation								
	Exhaust Fans							
	Wall Unit	100%		2023	\$2,800	2	\$300	
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%		2033	**	1		
	Water Heater							
	Gas Fired	100%		2021	\$4,800	2	\$100	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 1 - 75 Gallon Unit</i>					
	Sanitary Piping							
	Cast Iron	100%		LIFE	**	1		
	Storm Drain Piping							
	Cast Iron	100%		LIFE	**	1		
	Sump Pump(s)							
	Submersible	100%		2019	\$300	4	\$300	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 3 Pumps</i>					
	Backflow Preventer							
	No Component	95%						
	Generic	5%		2028	\$100	1		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Serves Boiler Only</i>					
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	Wet	100%		2021	\$2,100	1-3	\$4,200	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : Serves Cooking Area</i>					

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 164/LADDER CO. 84
Address : 1570 DRUMGOOLE ROAD W. @ ELLSWORTH AVE.
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.164 / 13094 **Yr Built/Renovated** : 1937 / 2003
Area Sq Ft : 5,504 **Project Type** : FIRE DEPARTMENT
Date of Survey : 29-Jun-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 6828 **Lot** : 65 **BIN** : 5083491

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$72,900
Total		\$72,900
Importance Code A		\$72,900
Total		\$72,900

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$1,800		\$2,900	
Interior Architecture	\$77,300		\$200	\$300
Electrical	\$26,800		\$100	
Mechanical	\$8,700	\$800	\$7,200	\$800
Total	\$114,600	\$800	\$10,400	\$1,100
Importance Code A	\$2,300	\$500	\$3,400	\$500
Importance Code B	\$92,200	\$200	\$6,900	\$500
Importance Code C	\$20,000			
Total	\$114,600	\$800	\$10,400	\$1,100



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FIRE DEPARTMENT - 057
ENGINE CO. 164/LADDER CO. 84
Asset # : 13094

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Masonry: Brick	70%			LIFE	**	5	\$16,200		
Masonry: Granite	5%			LIFE	**	5	\$900		
Masonry: Limestone	10%			LIFE	**	5	\$1,700		
Wood	5%			2036	**	5	\$5,800		
Wood Overhead Doors	10%			2028		5	\$72,900		
Windows									
Aluminum	100%			2039	**	5	\$2,100		
Roof									
Asphalt Shingle	100%	0-2	\$700	2032	**				
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>									
<i>Location : Over Office</i>									
Interior									
Floors									
Cast in Place Concrete	60%	Now	\$24,800	LIFE	**	5	\$13,100		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>									
<i>Location : 1st Floor</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Basement</i>									
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Apparatus Floor</i>									
<i>Explanation : Apparatus Slab Is Original And Does Not Carry Current Loads</i>									
Ceramic Tile	5%			2026		5	\$9,600	\$500	
Quarry Tile	5%			2028		5	\$14,300	\$700	
Terrazzo	5%			LIFE	**	5		\$400	
Vinyl Tile	25%	Now	\$8,400	2023		3	\$21,100	\$900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>									
<i>Location : 2nd Floor</i>									
Interior Walls									
Cast in Place Concrete	25%	0-2	\$10,800	LIFE	**				
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>									
<i>Location : Throughout</i>									
Gypsum Board	5%			LIFE	**	5	\$400		
Plaster	35%			LIFE	**	5	\$1,400		
SGFT/Glazed Masonry	35%	0-2	\$9,300	LIFE	**				
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>									
<i>Location : Throughout</i>									
Ceilings									
Exposed Concrete	35%	0-2	\$22,400	LIFE	**	5	\$500		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>									
<i>Location : Throughout</i>									
Plaster	65%	Now	\$1,700	LIFE	**	5	\$4,000		
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : 2nd Floor Corridor</i>									

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 164/LADDER CO. 84
Asset # : 13094

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2033	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Amperes Main Disconnect Switch</i>								
Raceway								
Conduit	100%			2033	**	1		
Panelboards								
Fused Disc Sw	10%			2031	**	5		
Molded Case Bkrs	90%			2031	**	5	\$100	
Wiring								
Thermoplastic	100%			2033	**	1		
Motor Controllers								
Locally Mounted	100%			2028		5	\$14,400	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	30%			2019	\$4,500	10	\$1,500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : T-12 Lamps</i>								
Fluorescent	70%			2028	\$10,400	10	\$3,500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floor</i>								
<i>Explanation : T-8 Lamps</i>								
Exterior Lighting								
HID	100%			2019	\$20,800	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Steam Boiler	100%			2036	**	1	\$5,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Natural Gas Fired Steam Boiler</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2043	**	4	\$400	
Terminal Devices								
Convactor/Radiator	100%			2028	\$27,600	1	\$1,800	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 164/LADDER CO. 84
Asset # : 13094

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Energy Source								
	Electricity	100%			2045	**	1	
Conversion Equipment								
	Window/Wall Unit	30%			2021	\$3,200	1	
	Window/Wall Unit	70%			2019	\$7,500	1	
Ventilation								
Exhaust Fans								
	Interior	100%			2031	**	2	\$200
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2033	**	1	
Water Heater								
	Gas Fired	100%			2021	\$3,100	2	\$100
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2019	\$200	4	\$200
Backflow Preventer								
	Generic	100%			2028	\$1,300	1	\$300
Fixtures								
	Generic	100%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 165/LADDER CO. 85
Address : 3067 RICHMOND ROAD
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.165 / 13095 **Yr Built/Renovated** : 1959 /
Area Sq Ft : 6,493 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-Apr-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 949 **Lot** : 1 **BIN** : 5023532

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$223,500	\$116,400
Interior Architecture	\$36,900	
Total	\$260,400	\$116,400
Importance Code A	\$223,500	\$116,400
Importance Code B	\$36,900	
Total	\$260,400	\$116,400

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$11,100			\$200
Interior Architecture	\$21,200			\$500
Electrical	\$1,200	\$100	\$300	\$100
Mechanical	\$24,600	\$600	\$9,400	\$4,200
Total	\$58,100	\$600	\$9,600	\$5,100
Importance Code A	\$11,400	\$300	\$300	\$500
Importance Code B	\$36,600	\$300	\$9,300	\$4,600
Importance Code C	\$10,100			
Total	\$58,100	\$600	\$9,600	\$5,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 165/LADDER CO. 85
Asset # : 13095

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2043	**	10	\$300	
Masonry: Brick	75%	Now	\$176,500	LIFE	**	5	\$14,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Overhead Door Jambs</i>								
<i>Expansion Jnt Failure, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : All Relieving Angles</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Repointing Failure, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Upper Parapet Wall</i>								
<i>Weepholes Not Funct, Extent : Severe, Area Affected : 50%</i>								
<i>Location : At Relieving Angle - Parking Lot</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : At Relieving Angle - Parking Lot</i>								
<i>Explanation : Missing Masonry Weeps</i>								
Metal Panel	10%			2033	**	5-10	\$13,400	
Metal Sect. OHD	10%			2028		5	\$6,100	
Windows								
Aluminum	100%	0-2	\$47,000	2031	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 100%</i>								
<i>Location : Insect Screens Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 75%</i>								
<i>Location : All Windows</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,400	
Masonry: Brick	90%			LIFE	**	5	\$1,600	
Roof								
Asphalt Shingle	10%			2032	**	10	\$200	
Modified Bitumen	90%	0-2	\$11,100	2023			\$55,500	
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Seams Open/Split, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 165/LADDER CO. 85
Asset # : 13095

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	40%	4+	\$900	LIFE	**	5	\$9,500	
<i>Spalling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	20%	0-2	\$4,200	2032	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	40%	Now	\$36,900	2033	**	3	\$1,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Cast in Place Concrete	5%	2-4	\$2,400	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Cellar Foundation Wall</i>								
Ceramic Tile	20%	0-2	\$4,100	2036	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Bathroom And Kitchen</i>								
Concrete Masonry Unit	5%			LIFE	**	5	\$300	
Gypsum Board	10%			LIFE	**	5	\$900	
Plaster	30%	Now	\$3,600	LIFE	**	5	\$1,300	
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout The East Wall</i>								
SGFT/Glazed Masonry	30%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	20%	0-2	\$1,800	2028	\$17,600	5	\$1,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Cellar</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Cellar</i>								
Exposed Concrete	10%			LIFE	**	5	\$200	
<i>Paint Peeling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Apparatus Floor</i>								
Gypsum Board	10%			LIFE	**	5	\$1,400	
Plaster	60%	Now	\$4,300	LIFE	**	5	\$4,100	
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout 2nd Floor, Cellar</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 165/LADDER CO. 85
Asset # : 13095

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
	Service Equipment							
	Fused Disc Sw	100%			2033	**	5	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement - Electric Closet</i>					
			<i>Explanation : Rating Not Visible</i>					
	Raceway							
	Conduit	90%			2033	**	1	
	Conduit	10%			2049	**	1	
	Panelboards							
	Fused Disc Sw	50%			2031	**	5	\$100
	Molded Case Bkrs	50%			2031	**	5	\$100
	Wiring							
	Thermoplastic	100%			2043	**	1	
	Motor Controllers							
	Locally Mounted	10%			2028	\$1,400	5	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st Floor</i>					
			<i>Explanation : Overhead Door Operators</i>					
	No Component	90%						
Ground								
	Grounding Devices							
	Generic	100%			LIFE	**	5	\$100
Lighting								
	Interior Lighting							
	Fluorescent	14%			2023	\$2,500	10	\$800
			<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 15%</i>					
			<i>Location : 2nd Floor</i>					
	Fluorescent	76%			2023	\$13,400	10	\$4,500
			<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
	Incandescent	5%			2023	\$2,100	2	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement And 1st Floor Addition</i>					
			<i>Explanation : Incandescent Lamps In Use</i>					
	Incandescent	5%	Now	\$1,000	2028	\$2,100	2	
			<i>Other Observation, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Roof Bulkhead Stairwell</i>					
			<i>Explanation : Light Fixture Housing Is Being Used As A Receptacle Backbox, Faceplate Is Absent</i>					
	Exterior Lighting							
	HID	90%			2028	\$22,000	10	
			<i>Sensor/Timer Malfunction, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Exterior</i>					
	Incandescent	10%			2023	\$2,100	2	
Lightning Protection								

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FIRE DEPARTMENT - 057
ENGINE CO. 165/LADDER CO. 85
Asset # : 13095

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lightning Protection								
Arresters/Cabling								
Generic	100%			2051	**	5	\$200	
Alarm								
Fire/Smoke Detection								
No Component	75%							
Generic	25%			2028	\$16,800	1-3	\$1,000	
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2036	**	1	\$3,200	
Distribution								
Hot Wtr Piping/Pump	50%			2031	**	4	\$200	
Hot Wtr Piping/Pump	50%	0-2	\$4,700	2048	**	4	\$200	
<i>Corroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Leak Evident, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Terminal Devices								
Convactor/Radiator	70%			2028	\$22,800	1	\$1,500	
Unit Heater - Steam	10%			2028	\$2,200	4	\$100	
Unit Heater - Steam	20%	0-2	\$4,300	2033	**	4	\$100	
<i>Corroded, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Apparatus Area</i>								
<i>Leak Evident, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Apparatus Area</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2045	**	1		
Conversion Equipment								
Window/Wall Unit	70%			2021	\$8,900	1		
No Component	30%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$400	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : First Floor Toilet Room</i>								
<i>Explanation : Toilet Exhaust Ductwork And Grilles</i>								
No Component	90%							

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FIRE DEPARTMENT - 057
ENGINE CO. 165/LADDER CO. 85
Asset # : 13095

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation								
Exhaust Fans								
Interior	90%			2028	\$19,400	2	\$200	
Wall Unit	10%			2028	\$200	2		
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Exterior Wall</i>						
		<i>Explanation : Wall Mounted Hood Exhaust Fan</i>						
Plumbing								
H/C Water Piping								
Brass/Copper	10%			2049	**	1		
Galvanized Steel	90%			2036	**	1		
		<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : Cellar</i>						
		<i>Explanation : No Visible Dielectric Unions</i>						
Water Heater								
Gas Fired	100%			2022	\$3,700	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Cellar</i>						
		<i>Explanation : One 75 Gallon Water Heater</i>						
Sanitary Piping								
Cast Iron	60%			LIFE	**	1		
Cast Iron	10%			LIFE	**	1		
		<i>Recent Installation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Sections Throughout</i>						
Cast Iron	30%	0-2	\$13,300	LIFE	**	1		
		<i>Broken, Extent : Severe, Area Affected : 30%</i>						
		<i>Location : Throughout</i>						
		<i>Corroded, Extent : Severe, Area Affected : 30%</i>						
		<i>Location : Throughout</i>						
		<i>Leak Evident, Extent : Severe, Area Affected : 30%</i>						
		<i>Location : Throughout</i>						
Storm Drain Piping								
Cast Iron	90%			LIFE	**	1		
Cast Iron	10%	0-2	\$1,300	LIFE	**	1		
		<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : Apparatus Floor Drain</i>						
Sump Pump(s)								
Submersible	100%	Now	\$200	2019	\$200	4	\$100	
		<i>Unit Inoperable, Extent : Moderate, Area Affected : 30%</i>						
		<i>Location : Cellar</i>						
Fixtures								
Generic	100%							

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 166/LADDER CO. 86
Address : 1400 RICHMOND AVENUE
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.166 / 13096 **Yr Built/Renovated** : 1963 /
Area Sq Ft : 6,760 **Project Type** : FIRE DEPARTMENT
Date of Survey : 04-Apr-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1612 **Lot** : 5 **BIN** : 5031692

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$149,700	
Electrical	\$78,500	
Total	\$228,200	
Importance Code A	\$149,700	
Importance Code B	\$78,500	
Total	\$228,200	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$41,000		\$4,700	
Interior Architecture	\$21,100		\$800	\$1,700
Electrical	\$7,300	\$400	\$18,800	\$6,100
Mechanical	\$18,400	\$800	\$7,300	\$800
Total	\$87,800	\$1,200	\$31,600	\$8,700
Importance Code A	\$41,300	\$300	\$5,000	\$300
Importance Code B	\$44,900	\$900	\$26,600	\$7,700
Importance Code C	\$1,600			\$700
Total	\$87,800	\$1,200	\$31,600	\$8,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 166/LADDER CO. 86
Asset # : 13096

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	90%	2-4	\$51,100	LIFE	**	5	\$17,000	
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 3%</i>								
<i>Location : Rear Right Side At 2nd Floor, Rear Facade (1st Floor To Roof) And Front Facade Near House Watch Office</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Front Right Side Of Dormitory And T. V. Room</i>								
Wood	10%			2021	\$98,700	5	\$9,400	
Windows								
Aluminum	100%	2-4	\$4,400	2031	**	5	\$1,000	
<i>Air Infiltration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : House Watch Office And Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	15%	2-4	\$2,200	LIFE	**	5	\$2,600	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Coping At Main Roof</i>								
Masonry: Brick	85%			LIFE	**	5	\$1,900	
Roof								
Roll Roofing	100%	Now	\$34,500	2025	\$34,500	5	\$7,000	
<i>Blisters, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Above Dormitory, Around Drains And Along Flashing</i>								
Interior								
Floors								
Cast in Place Concrete	50%	0-2	\$2,600	LIFE	**	5	\$10,800	
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Ground Water At Cellar</i>								
Ceramic Tile	15%			2032	**	5	\$1,500	
Quarry Tile	5%			2036	**	5	\$700	
Vinyl Tile	25%	Now	\$1,000	2028	\$20,900	3	\$900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor Office</i>								
<i>Other Observation, Extent : Light, Area Affected : 80%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : 9 X 9 Tiles</i>								
Wood	5%			2051	**	5	\$900	

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 166/LADDER CO. 86
Asset # : 13096

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	10%			2032	**	5	\$1,300	
Concrete Masonry Unit	5%			LIFE	**	5	\$300	
Gypsum Board	10%			LIFE	**	5	\$800	
Plaster	30%	Now	\$1,600	LIFE	**	5	\$1,200	
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Staircase</i>								
SGFT/Glazed Masonry	45%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	30%	Now	\$7,200	2036	**	5	\$1,500	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement, Locker Room And Gymnasium</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement, Locker Room, Gymnasium And Offices</i>								
Plaster	68%	Now	\$8,800	LIFE	**	5	\$4,200	
<i>Paint Peeling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Cellar And 2nd Floor Bathroom</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 35%</i>								
<i>Location : Dormitory</i>								
Wood	2%			LIFE	**	5	\$1,700	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2043	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Section</i>								
<i>Explanation : 400 Amp</i>								
Raceway								
Conduit	100%			2023	\$31,300	1		
Panelboards								
Molded Case Bkrs	95%			2022	\$36,600	5	\$200	
<i>Obsolete Equipment, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Throughout Firehouse</i>								
Molded Case Bkrs	5%	0-2	\$1,900	2048	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Watch Office 1st Floor</i>								
<i>Explanation : Circuit Breakers Overloaded And Constantly Tripping</i>								
Wiring								
Braided Cloth	20%			2022	\$5,500	1		
Thermoplastic	80%			2033	**	1		
Motor Controllers								
Locally Mounted	100%			2021	\$14,400	5		

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 166/LADDER CO. 86
Asset # : 13096

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	20%	Now	\$3,700	2033	**			
	<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : 1st Floor</i>							
	<i>Other Observation, Extent : Severe, Area Affected : 100%</i>							
	<i>Location : 1st Floor</i>							
	<i>Explanation : Burnt Out</i>							
Fluorescent	5%	Now	\$900	2033	**			
	<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : 2nd Floor</i>							
	<i>Other Observation, Extent : Severe, Area Affected : 100%</i>							
	<i>Location : 2nd Floor</i>							
	<i>Explanation : Burnt Out</i>							
Fluorescent	25%			2031	**	10	\$1,600	
	<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : 1st Floor</i>							
Fluorescent	40%			2031	**	10	\$2,500	
	<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : 2nd Floor</i>							
Incandescent	10%			2023			\$4,300	2
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Dining Room And 2nd Floor T. V. Room</i>							
	<i>Explanation : Downlights</i>							
Exterior Lighting								
HID	95%			2023			\$24,200	10
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Side And Backyard</i>							
	<i>Explanation : Wall Mounted, Controlled Via Switch</i>							
HID	5%	0-2	\$800	2033	**			
	<i>Not in Service, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Roof</i>							
Alarm								
Fire/Smoke Detection								
Generic	100%	0-2	\$41,900	2033	**	1-3	\$3,800	
	<i>Devices Damaged, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement, 1st And 2nd Floor</i>							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 166/LADDER CO. 86
Asset # : 13096

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2036	**	1	\$3,300	
Distribution								
Hot Wtr Piping/Pump	100%			2039	**	4	\$500	
Terminal Devices								
Convactor/Radiator	100%	Now	\$6,800	2036	**	1	\$2,000	
<i>Other Observation, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Broken Convactor Covers</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Window/Wall Unit	80%			2019		1	\$10,500	
No Component	20%							
Ventilation								
Exhaust Fans								
Roof	100%			2023		2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2033	**	1		
<i>No Water Meter, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Water Heater								
Gas Fired	100%			2021		2	\$3,900	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 - 75 Gallon Unit</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2019		4	\$200	\$200
Backflow Preventer								
No Component	95%							
Generic	5%			2028		1	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Boiler Only</i>								
Fixtures								
Generic	100%							
Fire Suppression								

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FIRE DEPARTMENT - 057
ENGINE CO. 166/LADDER CO. 86

Asset # : 13096

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Chemical System							
	Wet	100%			2021	\$2,100	1-3	\$4,200
<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Kitchen</i> <i>Explanation : Serves Cooking Area</i>								

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 167/LADDER CO. 87
Address : 345 ANNADALE ROAD
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.167 / 13097 **Yr Built/Renovated** : 1971 / 2003
Area Sq Ft : 8,390 **Project Type** : FIRE DEPARTMENT
Date of Survey : 12-Apr-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5642 **Lot** : 6 **BIN** : 5075428

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$39,000	\$112,600
Total	\$39,000	\$112,600
Importance Code A	\$39,000	\$112,600
Total	\$39,000	\$112,600

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$21,000			
Interior Architecture	\$63,600			\$500
Electrical	\$8,500	\$600	\$2,300	\$600
Mechanical	\$2,900	\$1,100	\$18,500	\$1,000
Total	\$95,900	\$1,700	\$20,800	\$2,100
Importance Code A	\$21,400	\$400	\$400	\$400
Importance Code B	\$62,900	\$1,300	\$20,400	\$1,700
Importance Code C	\$11,600			
Total	\$95,900	\$1,700	\$20,800	\$2,100



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 167/LADDER CO. 87
Asset # : 13097

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%	0-2	\$39,000	LIFE	**	5	\$12,900	
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 10%</i>								
<i>Location : All Elevations</i>								
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : All Elevations</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : At Building Perimeter Base Of Masonry Wall</i>								
<i>Explanation : Deteriorated Pavement Sealant</i>								
Metal Panel	5%			2033	**	5-10	\$6,400	
Pre-Cast Concrete	15%	0-2	\$4,600	LIFE	**	5	\$9,000	
<i>Open Joints, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	10%			2028		5	\$9,200	
<i>Paint Peeling, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%	2-4	\$10,300	2048	**	5	\$1,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Rusted Insect Screens Throughout</i>								
Parapets								
Masonry: Brick	40%	Now	\$1,000	LIFE	**	5	\$900	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Pre-Cast Concrete	60%	0-2	\$2,400	LIFE	**	5	\$8,400	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : All Coping Joints Are Deteriorated</i>								
Roof								
Built-Up (BUR)	100%	2-4	\$2,700	2023			\$54,200	
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Parapet Flashing Is Deteriorating At Multiple Locations</i>								
Interior								
Floors								
Cast in Place Concrete	60%	2-4	\$3,900	LIFE	**	5	\$16,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout The Apparatus Floor</i>								
Ceramic Tile	10%			2038	**	5	\$1,300	
Vinyl Tile	30%	0-2	\$32,200	2033	**	3	\$1,400	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 167/LADDER CO. 87
Asset # : 13097

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Cast in Place Concrete	20%	2-4	\$11,600	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Pipe And Steel Penetrations</i>								
Concrete Masonry Unit	25%			LIFE	**	5	\$1,800	
Gypsum Board	10%			LIFE	**	5	\$1,100	
SGFT/Glazed Masonry	40%			LIFE	**			
Wood	5%			LIFE	**	5	\$3,700	
Ceilings								
AcousTileSusp.Lay-In	10%	0-2	\$10,200	2043	**	5	\$600	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : 1st Floor Lounge Area</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : 1st Floor Lounge Area</i>								
Exposed Concrete	70%	2-4	\$5,700	LIFE	**	5	\$1,400	
<i>Paint Peeling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Apparatus Floor</i>								
Gypsum Board	10%			LIFE	**	5	\$1,600	
<i>Other Observation, Extent : Light, Area Affected : 25%</i>								
<i>Location : 2nd Floor Bathroom</i>								
<i>Explanation : Peeling Path</i>								
Plaster	10%			LIFE	**	5	\$800	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2033	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : (2) Electric Services. Ratings Not Visible</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2033	**	5	\$200	
Raceway								
Conduit	100%			2033	**	1		
Panelboards								
Fused Disc Sw	40%			2031	**	5	\$100	
Molded Case Bkrs	60%			2031	**	5	\$100	
Wiring								
Thermoplastic	100%			2033	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 167/LADDER CO. 87
Asset # : 13097

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Motor Controllers								
Locally Mounted	10%			2021	\$1,400	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Overhead Door Operator</i>						
No Component	90%							
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2036	**	1	\$2,600	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Rating Not Visible</i>						
Generators								
Diesel	100%			2032	**	1	\$3,300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Exterior Side Yard</i>						
		<i>Explanation : 80 Kva</i>						
Batteries								
Lead/Acid	100%			2019	\$1,500	5	\$300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Exterior Side Yard</i>						
		<i>Explanation : Within Generator Enclosure</i>						
Fuel Storage								
Day Tank	100%			2039	**	5	\$1,600	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Exterior Rear Yard</i>						
		<i>Explanation : Under Generator</i>						
Lighting								
Interior Lighting								
Fluorescent	80%			2023	\$18,200	10	\$6,200	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
Incandescent	20%	4+	\$5,400	2028	\$10,700	2		
		<i>Damaged Fixtures, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : Basement And 1st Floor</i>						
Exterior Lighting								
HID	50%			2023	\$15,800	10		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Exterior</i>						
		<i>Explanation : Switch Operated</i>						
Incandescent	50%			2028	\$13,400	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Exterior</i>						
		<i>Explanation : Switch Operated</i>						

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FIRE DEPARTMENT - 057
ENGINE CO. 167/LADDER CO. 87
Asset # : 13097

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lightning Protection								
Arresters/Cabling								
Generic	100%			2051	**	5	\$200	
Alarm								
Fire/Smoke Detection								
No Component	90%							
Generic	10%			2028	\$8,700	1-3	\$500	
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<hr/>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2036	**	1	\$4,200	
Distribution								
Hot Wtr Piping/Pump	100%			2039	**	4	\$600	
Terminal Devices								
Convactor/Radiator	100%			2036	**	1	\$2,700	
Air Conditioning								
Energy Source								
Electricity	100%			2045	**	1		
Conversion Equipment								
Window/Wall Unit	60%			2021	\$9,800	1		
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	60%			LIFE	**	2-5	\$2,800	
No Component	40%							
Exhaust Fans								
Interior	5%	0-2	\$1,700	2033	**	2		
<i>Unit Inoperable, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Area</i>								
Interior	5%			2028	\$1,700	2		
Roof	90%			2028	\$11,700	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	20%			2043	**	1		
Galvanized Steel	80%			2028	\$27,500	1		
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Cellar</i>								
<i>Explanation : No Dielectric Fitting Between Copper And Steel Pipe</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 167/LADDER CO. 87
Asset # : 13097

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Water Heater Gas Fired	100%			2021	\$4,800	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Two 75 Gallon Water Heaters</i>								
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Sump Pump(s) Non-Submersible	100%			2028	\$1,200	4	\$300
	Fixtures Generic	100%						
Fire Suppression								
	Sprinkler No Component Generic	95% 5%			2043	**	1-2	\$100
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Sprinklers In Cellar Storage Room Fed From Domestic Water Service. No Backflow Preventer.</i>								
	Chemical System Wet	100%			2021	\$2,100	1-3	\$4,200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Over Range</i>								

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 168 EMS STATION 23 ROSSVILLE STATION
Address : 1100 ROSSVILLE AVENUE 300 VETERANS ROAD EAST
Borough : STATEN ISLAND Agency's Number : N/A
Program / Asset # : FIR0018.000 / 13581 Yr Built/Renovated : 2003 /
Area Sq Ft : 20,096 Project Type : FIRE DEPARTMENT
Date of Survey : 09-May-2016 Landmark Status : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 7067 Lot : 252 BIN : 5851738

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$89,400	\$179,600
Mechanical		\$117,600
Total	\$89,400	\$297,300
Importance Code A	\$89,400	\$179,600
Importance Code B		\$117,600
Total	\$89,400	\$297,300

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$8,700	\$19,500		\$2,400
Interior Architecture	\$56,100	\$1,100	\$1,500	\$4,500
Electrical	\$2,500	\$3,600	\$4,400	\$21,000
Mechanical	\$5,500	\$2,000	\$3,200	\$1,900
Total	\$72,800	\$26,200	\$9,100	\$29,800
Importance Code A	\$9,700	\$20,500	\$1,000	\$3,400
Importance Code B	\$34,000	\$5,700	\$8,100	\$26,400
Importance Code C	\$29,100			
Total	\$72,800	\$26,200	\$9,100	\$29,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 168 EMS STATION 23 ROSSVILLE STATION
Asset # : 13581

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Glass Block	2%			LIFE	**	5	\$300	
Masonry: Brick Cavity	75%	2-4	\$35,500	LIFE	**	5	\$19,000	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Perimeter Windows</i>								
Metal Panel	5%			2047	**	5-10	\$8,700	
Metal Coiling Doors	15%	4+	\$4,300	2040	**	5	\$5,900	
<i>Deformed/Dented, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Stucco Cement	3%	Now	\$4,400	2040	**	5	\$900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Underside Of Soffit Over Main Entrance</i>								
Windows								
Aluminum	98%			2043	**	5	\$600	
Aluminum	2%			2043	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Watch Command</i>								
<i>Explanation : Specialty Glass</i>								
Parapets								
Metal Rail	60%			2040	**	5-10	\$32,100	
No Component	40%							
Roof								
Modified Bitumen	100%	2-4	\$53,900	2027			\$179,600	
<i>Alligatoring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Blisters, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	40%	4+	\$12,500	LIFE	**	5	\$26,300	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement Corridors</i>								
Ceramic Tile	10%			2036	**	5	\$3,000	
Sheet Vinyl/Rubber	20%			2032	**	5	\$9,000	
Vinyl Tile	30%			2032	**	3	\$3,400	

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FIRE DEPARTMENT - 057
ENGINE CO. 168 EMS STATION 23 ROSSVILLE STATION
Asset # : 13581

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Interior Walls

Cast in Place Concrete	15%	Now	\$11,200	LIFE	**			
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement Corridor - Foundation Wall</i>								
Concrete Masonry Unit	68%	2-4	\$17,900	LIFE	**	5	\$6,500	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout Basement</i>								
Glass Block	5%			LIFE	**			
Gypsum Board	10%			LIFE	**	5	\$1,400	
Metal Panel	2%			LIFE	**			

Ceilings

Exposed Concrete	30%	2-4	\$14,500	LIFE	**	5	\$1,400	
<i>Diagonal Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement Ceiling Throughout</i>								
Exposed Struc: Steel	40%			LIFE	**			
Gypsum Board	5%			LIFE	**	5	\$1,900	
Metal Panel	25%			LIFE	**	5	\$9,400	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	75%			2047	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated @ 800 Amperes.</i>								
Photovoltaic Panel(s)	25%			2036	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement And Roof</i>								
<i>Explanation : Photovoltaic Panels Observed On Roof. Photovoltaic Equipment Observed In Electric Room In Basement</i>								

Switchgear / Switchboard

Fused Disc Sw	100%			2047	**	5	\$100	
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Raceway

Conduit	100%			2047	**	1		
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Panelboards

Fused Disc Sw	5%			2043	**	5		
Molded Case Bkrs	95%			2043	**	5	\$500	

Wiring

Thermoplastic	100%			2047	**	1		
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Motor Controllers

Locally Mounted	100%			2040	**	5	\$100	
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$300	
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FIRE DEPARTMENT - 057
ENGINE CO. 168 EMS STATION 23 ROSSVILLE STATION
Asset # : 13581

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Transfer Switches								
Automatic	100%			2040	**	1	\$6,200	
Generators								
Diesel	100%			2036	**	1	\$7,800	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Rear Yard</i>						
		<i>Explanation : Emergency Generator Rated @ 80kva</i>						
Batteries								
Lead/Acid	100%			2021	\$1,500	5	\$700	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Exterior Rear Yard</i>						
		<i>Explanation : Within Generator Enclosure</i>						
Fuel Storage								
Main Tank	100%			2055	**	5	\$600	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 60 Gallons Rated Capacity</i>						
Lighting								
Interior Lighting								
Fluorescent	98%			2032	**	10	\$18,100	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Fluorescent	2%			2032	**	10	\$400	
		<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Staircase</i>						
Egress Lighting								
Emergency, Service	50%			2032	**	1		
Exit, LED	50%			2055	**	1		
Exterior Lighting								
HID	20%			2032	**	10		
No Component	80%							
Lightning Protection								
Arresters/Cabling								
Generic	100%			2055	**	5	\$600	
Alarm								
Fire/Smoke Detection								
Generic, Digital	100%			2032	**	1-3	\$12,400	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : Strobe Lights, Manual Pull Stations, Alarm Bells, Horns And Strobe Lights</i>						

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

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FIRE DEPARTMENT - 057
ENGINE CO. 168 EMS STATION 23 ROSSVILLE STATION
Asset # : 13581

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Furnace	50%			2027	\$22,100	1	\$5,000	
			<i>Other Observation, Extent : Light, Area Affected : 50%</i>					
			<i>Location : Roof</i>					
			<i>Explanation : 5 Roof Top Package Units</i>					
Hot Water Boiler	50%			2044	**	1	\$5,000	
			<i>Other Observation, Extent : Light, Area Affected : 50%</i>					
			<i>Location : Basement Boiler Room</i>					
			<i>Explanation : 1 Unit</i>					
Distribution								
Hot Wtr Piping/Pump	50%			2043	**	4	\$700	
No Component	50%							
Terminal Devices								
Convactor/Radiator	10%			2040	**	1	\$700	
Unit Heater - Steam	40%	Now	\$2,700	2027	\$26,900	4	\$700	
			<i>Other Observation, Extent : Severe, Area Affected : 20%</i>					
			<i>Location : Garage Area</i>					
			<i>Explanation : Not Functioning</i>					
No Component	50%							
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	50%			2027	\$117,600	2	\$600	
			<i>R-22 Refrigerant, Extent : Light, Area Affected : 50%</i>					
			<i>Location : 5 Package Units, Roof</i>					
Split Unit	10%			2035	**			
			<i>Other Observation, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Roof</i>					
			<i>Explanation : 2 Units. R-410a</i>					
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2035	**	1	\$700	
No Component	90%							
Heat Rejection								
Dry Cooler	10%			2035	**	2	\$1,400	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	60%			LIFE	**	2-5	\$6,700	
No Component	40%							
Exhaust Fans								
Roof	100%			2027	\$31,200	2	\$600	

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FIRE DEPARTMENT - 057
ENGINE CO. 168 EMS STATION 23 ROSSVILLE STATION
Asset # : 13581

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
H/C Water Piping	Brass/Copper	100%			2047	**	1	
Water Heater	Gas Fired	100%			2025	\$11,500	2	\$300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar Mechanical Room</i>								
<i>Explanation : Two 75 Gallon Water Heaters</i>								
Sanitary Piping	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Sewage Ejector(s)	Electric	100%			2032	**	4	\$1,200
Backflow Preventer	Generic	100%			2032	**	1	\$1,200
Fixtures								
	Generic	100%						
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Apparatus Area</i>								
<i>Explanation : Apparatus Area Drinking Fountain Not Operating</i>								
Fire Suppression								
Sprinkler								
	No Component	80%						
	Generic	20%			2047	**	1-2	\$1,100
Chemical System								
	Generic	100%			2025	\$1,900	1-3	\$4,000
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set Unit</i>								

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 17/LADDER CO.18 (COMBINED FACILITY)
Address : 25 PITT STREET @ DELANCEY ST
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.017 / 13013 **Yr Built/Renovated** : 1973 / 1988
Area Sq Ft : 14,780 **Project Type** : FIRE DEPARTMENT
Date of Survey : 14-Nov-2016 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 342 **Lot** : 60 **BIN** : 1004078

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$109,400	
Interior Architecture		\$97,000
Electrical		\$67,100
Total	\$109,400	\$164,100
Importance Code A	\$109,400	
Importance Code B		\$164,100
Total	\$109,400	\$164,100

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$46,200			
Interior Architecture	\$71,200		\$900	\$2,700
Electrical	\$16,200	\$600	\$600	\$700
Mechanical	\$29,500	\$1,400	\$7,500	\$1,100
Total	\$163,200	\$2,000	\$8,900	\$4,600
Importance Code A	\$46,200			
Importance Code B	\$103,700	\$2,000	\$8,900	\$3,900
Importance Code C	\$13,300			\$700
Total	\$163,200	\$2,000	\$8,900	\$4,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 17/LADDER CO.18 (COMBINED FACILITY)

Asset # : 13013

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Exterior									
Exterior Walls									
Masonry: Brick	93%			LIFE	**	5	\$16,200		
Metal Panel	2%			2048	**	5-10	\$1,200		
Metal Coiling Doors	5%	Now	\$4,900	2033	**	5	\$700		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Front Facade</i>									
Windows									
Steel	100%	Now	\$109,400	2053	**	5	\$13,100		
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Throughout</i>									
<i>Explanation : Deteriorated</i>									
Parapets									
Masonry: Brick	90%			LIFE	**	5-10	\$36,200		
Metal Panel	10%	Now	\$2,300	2048	**	5	\$1,100		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>									
<i>Location : Fron Facade</i>									
Roof									
Built-Up (BUR)	100%			2033	**	10	\$16,500		
Interior									
Floors									
Cast in Place Concrete	40%	Now	\$19,000	LIFE	**	5	\$20,000		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : First Floor, No Access To Under Slab In Basement</i>									
Ceramic Tile	5%			2037	**	5	\$1,100		
Quarry Tile	5%			2041	**	5	\$1,700		
Vinyl Tile	50%	Now	\$4,800	2028	\$97,000	3	\$4,300		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Second Floor</i>									
Interior Walls									
Ceramic Tile	5%			2037	**	5	\$1,400		
Concrete Masonry Unit	45%			LIFE	**	5	\$10,300		
Gypsum Board	15%	Now	\$1,800	LIFE	**	5	\$2,600		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Second Floor</i>									
Plaster	15%	Now	\$3,400	LIFE	**	5	\$1,300		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Second Floor</i>									
SGFT/Glazed Masonry	20%			LIFE	**	10	\$2,900		
Ceilings									
AcousTileSusp.Lay-In	70%	Now	\$12,900	2033	**	5	\$8,000		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
Exposed Concrete	25%			LIFE	**	5-10	\$7,100		
Plaster	5%	Now	\$15,000	LIFE	**	5	\$700		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Second Floor</i>									

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FIRE DEPARTMENT - 057
ENGINE CO. 17/LADDER CO.18 (COMBINED FACILITY)
Asset # : 13013

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2041	**			
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Parking/Driveway

Cast in Place Concrete	100%			2041	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Not Accessible	100%							
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*Other Observation, Extent : Light, Area Affected : 0%**Location :**Explanation : Electrically Feed From The Adjacent Building (Police Precinct)*

Switchgear / Switchboard

Not Accessible	100%							
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*Other Observation, Extent : Light, Area Affected : 0%**Location :**Explanation : Electrically Feed From The Adjacent Building (Police Precinct)*

Raceway

Conduit	20%			2048	**	1		
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Conduit	80%			2028	\$25,000	1		
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Panelboards

Fused Disc Sw	5%			2027	\$1,900	5		
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Molded Case Bkrs	15%			2044	**	5	\$100	
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Molded Case Bkrs	80%			2027	\$30,800	5	\$300	
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Wiring

Thermoplastic	20%			2048	**	1		
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Thermoplastic	80%			2028	\$22,200	1		
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Motor Controllers

Locally Mounted	100%	Now	\$14,400	2048	**	5	\$100	
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*Other Observation, Extent : Severe, Area Affected : 100%**Location : Roof**Explanation : Not Functioning*

Lighting

Interior Lighting

Fluorescent	96%			2033	**	10	\$13,000	
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*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%**Location : Throughout The Building*

Fluorescent	2%			2033	**	10	\$300	
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*Compact Fluorescent Light, Extent : Light, Area Affected : 100%**Location : Office*

Fluorescent	2%			2023	\$800	10	\$300	
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*T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%**Location : Office*

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FIRE DEPARTMENT - 057
ENGINE CO. 17/LADDER CO.18 (COMBINED FACILITY)
Asset # : 13013

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

LightingEgress Lighting
Exit, Service

100%

2023

\$1,600

1

Exterior Lighting
Fluorescent

75%

2023

\$35,500

10

\$1,000

*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside**Explanation : 6- CFL (Compact Fluorescent Light Fixtures)*

LED

25%

2036

* *

*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside**Explanation : 2- LED Light Fixtures***Alarm**Security System
Generic

100%

2036

* *

1

\$5,500

*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside**Explanation : 4 CCTV Surveillance Cameras*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Not Accessible

100%

*Other Observation, Extent : Light, Area Affected : 0%**Location : Other Side Of Building**Explanation : Supplied From 7th Precinct*

Conversion Equipment

Not Accessible

100%

*Other Observation, Extent : Light, Area Affected : 0%**Location : Supplied From The Precinct**Explanation : Inadequate Heat Supply*

Distribution

Hot Wtr Piping/Pump

100%

2044

* *

4

\$1,100

Terminal Devices

Convactor/Radiator

90%

Now

\$3,300

2041

* *

1

\$3,900

*Malfunctioning, Extent : Moderate, Area Affected : 5%**Location : Control System In The Precinct*

Fan Coil Unit/Heat

10%

Now

\$1,000

2033

* *

1

\$400

*Malfunctioning, Extent : Moderate, Area Affected : 5%**Location : Control System In The Precinct***Air Conditioning**

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FIRE DEPARTMENT - 057
ENGINE CO. 17/LADDER CO.18 (COMBINED FACILITY)

Asset # : 13013

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Energy Source								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Other Side Of Building</i>								
<i>Explanation : Supplied From 7th Precinct</i>								
Conversion Equipment								
Window/Wall Unit	50%			2023	\$14,400	1		
Not Accessible	50%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Other Side Of Building</i>								
<i>Explanation : Supplied From 7th Precinct</i>								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$24,000	
Terminal Devices								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Other Side Of Building</i>								
<i>Explanation : Supplied From 7th Precinct</i>								
Heat Rejection								
Not Accessible	100%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$13,100	
Exhaust Fans								
Roof	100%	Now	\$2,300	2033	**	2	\$400	
<i>Broken, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen - On The Roof</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%	Now	\$5,200	2054	**	1		
<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Water Heater								
Electric	100%	0-2	\$6,100	2023	\$12,200	4	\$100	
<i>Leak Evident, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 1st Floor Number 1 Hot Water Heater</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : 2 - 119 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%	Now	\$1,400	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Room - When It Rains Hard</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 17/LADDER CO.18 (COMBINED FACILITY)
Asset # : 13013

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Fixtures							
	Generic	100%						
<i>Obsolete Fixtures, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Bathroom, Second Floor</i>								
Fire Suppression								
	Standpipe							
	Generic	100%			2048	**	1-5	\$7,500
	Sprinkler							
	No Component	50%						
	Generic	50%			2048	**	1-2	\$2,100
	Fire Pump							
	Not Accessible	100%						
	Chemical System							
	Dry	10%			2021	\$200	1-3	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Model Rg-4gs</i>								
	No Component	80%						
	Generic	10%			2023	\$200	1-3	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017 **FIRE DEPARTMENT - FY 2018**

Asset Name : ENGINE CO. 201/LADDER CO. 114
Address : 5113 4th AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.201 / 13098 **Yr Built/Renovated** : 2009 /
Area Sq Ft : 17,800 **Project Type** : FIRE DEPARTMENT
Date of Survey : 12-Jun-2015 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 799 **Lot** : 5 **BIN** : 3013535

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$500		\$2,900	\$4,200
Interior Architecture	\$7,200	\$100		
Electrical	\$1,200	\$1,200	\$3,400	\$1,500
Mechanical	\$30,900	\$2,200	\$10,500	\$2,400
Total	\$39,900	\$3,600	\$16,800	\$8,100
Importance Code A	\$2,900	\$900	\$3,700	\$5,100
Importance Code B	\$35,000	\$2,700	\$13,000	\$3,000
Importance Code C	\$1,900			
Total	\$39,900	\$3,600	\$16,800	\$8,100



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 201/LADDER CO. 114
Asset # : 13098

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Masonry: Brick	85%			LIFE	**	5	\$13,000		
Metal Panel	10%			2036	**	5-10	\$10,500		
Metal Panel	5%			2052	**	5-10	\$5,300		
Windows									
Aluminum	100%			2042	**	5	\$700		
Parapets									
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$600		
Masonry: Brick	90%			LIFE	**	5	\$700		
Roof									
Modified Bitumen	95%	Now	\$500	2031	**				
<i>Drains Clogged, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Low Roof</i>									
Skylight, Metal/Glass	5%			2046	**	10	\$800		
Interior									
Floors									
Cast in Place Concrete	30%	4+	\$300	LIFE	**	5	\$3,300		
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>									
<i>Location : Apparatus Floor And Basement.</i>									
Ceramic Tile	5%			2035	**	5	\$200		
Panel/Paver: Concrete	5%	Now	\$300	2046	**				
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : Inner Courtyard Area</i>									
Wood	60%			2054	**	5	\$5,600		
Interior Walls									
Cast in Place Concrete	5%			LIFE	**				
Concrete Masonry Unit	10%	2-4	\$1,500	LIFE	**	5	\$300		
<i>Water Penetration, Extent : Light, Area Affected : 2%</i>									
<i>Location : Basement Entry Stairs, Both Sides.</i>									
Gypsum Board	75%	Now	\$400	LIFE	**	5	\$3,100		
<i>Paint Peeling, Extent : Light, Area Affected : 2%</i>									
<i>Location : Stairwell</i>									
<i>Water Penetration, Extent : Light, Area Affected : 2%</i>									
<i>Location : Stairwell</i>									
Wood	10%			LIFE	**	5	\$2,700		
Ceilings									
AcousTileSusp.Lay-In	55%			2039	**	5	\$2,700		
Embossed Metal	30%			LIFE	**	5	\$700		
Gypsum Board	10%	0-2	\$500	LIFE	**	5	\$600		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>									
<i>Location : Basement Stair.</i>									
<i>Other Observation, Extent : Light, Area Affected : 2%</i>									
<i>Location : Engine Bunk Room.</i>									
<i>Explanation : Paint Peeling.</i>									
Wood	5%			LIFE	**	5	\$2,200		

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 201/LADDER CO. 114

Asset # : 13098

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
	Service Equipment							
	Fused Disc Sw	100%			2052	**	5	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 600 Amperes</i>					
	Switchgear / Switchboard							
	Molded Case Bkrs	100%			2052	**	5	\$500
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 600 Amperes</i>					
	Raceway							
	Conduit	100%			2052	**	1	
	Panelboards							
	Molded Case Bkrs	100%			2048	**	5	\$500
	Wiring							
	Thermoplastic	100%			2052	**	1	
	Motor Controllers							
	Locally Mounted	100%			2043	**	5	\$100
Ground								
	Grounding Devices							
	Generic	100%			LIFE	**	5	\$300
Stand-by Power								
	Transfer Switches							
	Automatic	100%			2043	**	1	\$5,500
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Electrical Room (Basement)</i>					
			<i>Explanation : One (1) 600 Amperes (1) 70 Amperes</i>					
	Generators							
	Diesel	100%			2039	**	1	\$6,900
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Generator Room (Basement)</i>					
			<i>Explanation : 117.3 Kw</i>					
	Batteries							
	Lead/Acid	100%			2021	\$1,500	5	\$700
	Fuel Storage							
	Main Tank	100%			2061	**	5	\$500
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 25 Gallon Tank</i>					
Lighting								
	Interior Lighting							
	Fluorescent	100%			2034	**	10	\$16,300
			<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
	Egress Lighting							
	Emergency, Battery	50%			2034	**	10	\$2,100
	Exit, Battery	50%			2034	**	10	\$600

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FIRE DEPARTMENT - 057
ENGINE CO. 201/LADDER CO. 114
Asset # : 13098

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Exterior Lighting								
HID	100%			2031	**	10	\$100	

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2046	**	1		
Conversion Equipment								
Furnace	50%	Now	\$2,000	2031	**	1	\$4,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 6 Roof Top Units</i>								
<i>Explanation : Ongoing Control Issues</i>								
Hot Water Boiler	50%			2039	**	1	\$4,400	
Distribution								
Ductwork/Diffusers	50%	Now	\$10,900	LIFE	**	2-5	\$5,000	
<i>Needs Cleaning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Hot Wtr Piping/Pump	50%			2042	**	4	\$400	
Terminal Devices								
Convactor/Radiator	95%			2039	**	1	\$5,500	
Fan Coil Unit/Heat	5%			2026		1	\$300	

Air Conditioning								
Energy Source								
Electricity	100%			2048	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	95%	Now	\$9,900	2031	**	2	\$800	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof Top Units</i>								
<i>Explanation : Ongoing Control Issues, 3 Units 410a</i>								
Split Unit	5%			2031	**			
Distribution								
Ductwork/Diffusers	70%	Now	\$6,300	LIFE	**	2	\$16,200	
<i>Needs Cleaning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Ductwork/Diffusers	30%			LIFE	**	2	\$6,900	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$9,900	
Exhaust Fans								
Roof	100%			2031	**	2	\$500	

Plumbing

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FIRE DEPARTMENT - 057
ENGINE CO. 201/LADDER CO. 114

Asset # : 13098

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
H/C Water Piping	Brass/Copper	100%			2046	**	1	
Water Heater	Gas Fired	100%			2024	\$10,200	2	\$300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 120 Gallon Units</i>								
Sanitary Piping	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)	Non-Submersible	100%			2031	**	4	\$600
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Duplex Unit</i>								
Backflow Preventer	Generic	100%			2031	**	1	\$1,100
Fixtures	Generic	100%						
Fire Suppression								
Sprinkler	No Component	50%						
	Generic	50%			2046	**	1-2	\$2,500
Chemical System	Generic	100%			2024	\$1,900	1-3	\$3,700

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 202/LADDER CO. 101
Address : 31 RICHARDS STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.202 / 13099 **Yr Built/Renovated** : 1959 /
Area Sq Ft : 9,048 **Project Type** : FIRE DEPARTMENT
Date of Survey : 20-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 505 **Lot** : 60 **BIN** : 3008224

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$85,800	
Interior Architecture		\$40,200
Electrical		\$19,200
Mechanical	\$65,200	\$90,300
Total	\$151,000	\$149,800
Importance Code A	\$151,000	
Importance Code B		\$149,800
Total	\$151,000	\$149,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$14,300			\$4,800
Interior Architecture	\$53,100	\$200		\$1,100
Electrical	\$4,000	\$3,200	\$700	\$7,000
Mechanical	\$30,800	\$10,000	\$900	\$800
Site Enclosure	\$1,300			
Total	\$103,600	\$13,500	\$1,600	\$13,800
Importance Code A	\$14,300	\$400	\$400	\$5,300
Importance Code B	\$74,400	\$12,800	\$1,100	\$8,500
Importance Code C	\$14,800	\$200		
Total	\$103,600	\$13,500	\$1,600	\$13,800



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FIRE DEPARTMENT - 057
ENGINE CO. 202/LADDER CO. 101
Asset # : 13099

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$85,800	LIFE	**	5	\$14,200	
<i>Diagonal Cracks, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout All Facades</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : All Masonry Control Joints</i>								
Masonry: Limestone	20%	0-2	\$8,300	LIFE	**	5	\$2,800	
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Richards Street Elevation</i>								
Wood Overhead Doors	5%			2032	**	5	\$4,700	
Windows								
Aluminum	90%	4+	\$900	2035	**	5	\$200	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Insect Screens Located Throughout</i>								
Glass Block	10%	4+		LIFE	**	5		
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 50%</i>								
<i>Location : Stair/ Hose Tower</i>								
Parapets								
Masonry: Brick	65%			LIFE	**	5	\$800	
Masonry: Limestone	10%			LIFE	**	5	\$200	
Metal Panel	15%			2037	**	5	\$700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
<i>Explanation : Metal Coping Over Cast Stone Coping</i>								
Wood Rail	10%	Now	\$1,800	2032	**	5	\$900	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Side Yard Elevation</i>								
<i>Loose/Miss Fasteners, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : 1st Floor Roof</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 1st Floor Roof</i>								
Roof								
Modified Bitumen	90%	0-2	\$3,300	2032	**			
<i>Blisters, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Several Locations On The Gable Roof</i>								
Traffic Topping	10%			2032	**	10	\$2,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outdoor Patio Roof At Rear Over 1st Floor</i>								
<i>Explanation : Wood Deck Construction</i>								

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 202/LADDER CO. 101
Asset # : 13099

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior Floors								
Cast in Place Concrete	50%	0-2	\$14,100	LIFE	**	5	\$14,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Apparatus Floor And Cellar Stairs</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Cellar</i>								
Ceramic Tile	5%	0-2	\$1,300	2030	**	5	\$300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Bathrooms</i>								
Quarry Tile	5%	0-2	\$1,900	2032	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Sheet Vinyl/Rubber Vinyl Tile	5%			2027		5	\$1,000	
	35%	0-2	\$20,100	2027		3	\$1,800	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : At Vinyl Wall Base Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
Interior Walls								
Cast in Place Concrete	15%	0-2	\$9,300	LIFE	**			
<i>Paint Peeling, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout Cellar</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Cellar</i>								
<i>Other Observation, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Metal Doors And Jambs Are Rusted</i>								
Ceramic Tile	5%			2030	**	5	\$500	
Gypsum Board	3%			LIFE	**	5	\$200	
Masonry: Brick	10%	Now	\$3,800	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Plaster	30%	Now	\$500	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Stairwell At Cellar Level</i>								
SGFT/Glazed Masonry	35%			LIFE	**			
Wood	2%			LIFE	**	5	\$800	

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FIRE DEPARTMENT - 057
ENGINE CO. 202/LADDER CO. 101
Asset # : 13099

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	10%	Now	\$2,200	2032	**	5	\$700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 1st Floor Gymnasium And Lounge</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Gymnasium 1st Floor</i>								
Exposed Concrete	50%			LIFE	**	5	\$1,100	
<i>Paint Peeling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Apparatus Area</i>								
Plaster	40%			LIFE	**	5	\$3,400	
Site Enclosure								
Fence/Gates								
Chain link	70%			2037	**			
Wood	30%	2-4	\$1,300	2028	\$4,400			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor Rear Patio</i>								
<i>Dry Rot/Decay, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor Rear Patio</i>								
Free Standing Walls								
Cast in Place Concrete	100%			2047	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2032	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2037	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Room</i>								
<i>Explanation : 200 Amp</i>								
Raceway								
Conduit	100%			2037	**	1		
Panelboards								
Molded Case Bkrs	50%			2026	\$19,200	5	\$100	
Molded Case Bkrs	25%			2035	**	5	\$100	
Molded Case Bkrs	25%			2043	**	5	\$100	
Wiring								
Thermoplastic	100%			2037	**	1		
Motor Controllers								
Locally Mounted	100%			2025	\$14,400	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Motor Controller For 1 Overhead Door</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 202/LADDER CO. 101
Asset # : 13099

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 3 Ground Devices</i>								
Stand-by Power								
Transfer Switches Automatic	100%			2032	**	1	\$2,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Rating Not Visible</i>								
Generators Diesel	100%			2030	**	1	\$3,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior - Side Yard</i>								
<i>Explanation : 80 Kva</i>								
Batteries Lead/Acid	100%			2020	\$1,500	5	\$300	
Fuel Storage Day Tank	100%			2035	**	5	\$1,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior - Side Yard</i>								
<i>Explanation : Size Not Visible</i>								
Lighting								
Interior Lighting Fluorescent	10%	0-2	\$2,500	2037	**			
<i>Damaged Fixtures, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : 1st Floor</i>								
<i>Inadequate Lighting Level, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Basement And 1st Floor</i>								
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement And 1st Floor</i>								
Fluorescent	85%			2027	\$20,800	10	\$7,100	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	5%			2022	\$2,900	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Lounge Area Of 1st Floor</i>								
<i>Explanation : Incandescent Lamps Observed</i>								
Exterior Lighting HID	10%			2022	\$3,400	10		
Incandescent	90%			2027	\$26,100	2		
Alarm								

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FIRE DEPARTMENT - 057
ENGINE CO. 202/LADDER CO. 101
Asset # : 13099

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Fire/Smoke Detection

No Component

95%

Generic, Analog

5% Now

\$900 2037

* * 1-3

\$200

*Devices Missing, Extent : Moderate, Area Affected : 100%**Location : 2nd Floor**Local/Battery Operated Detect, Extent : Light, Area Affected : 100%**Location : 2nd Floor*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2037

* * 1

*Corroded, Extent : Light, Area Affected : 100%**Location : Cellar*

Conversion Equipment

Hot Water Boiler

100%

0-2

\$65,200

2047

* * 1

\$4,000

*Corroded, Extent : Moderate, Area Affected : 100%**Location : Boiler Shell In Cellar**Other Observation, Extent : Moderate, Area Affected : 100%**Location : Cellar**Explanation : Heavy Water Intrusion.*

Distribution

Hot Wtr Piping/Pump

95%

2043

* * 4

\$600

Hot Wtr Piping/Pump

5% 0-2

\$700

2052

* * 4

*Corroded, Extent : Moderate, Area Affected : 20%**Location : Basement*

Terminal Devices

Convactor/Radiator

100%

4+

\$13,600

2047

* * 1

\$2,600

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Throughout**Explanation : There Are No Current Leaks, But Life Span Is Limited.*

Air Conditioning

Energy Source

Electricity

100%

2049

* * 1

Conversion Equipment

Split Unit

50%

2027

\$90,300

Window/Wall Unit

50%

2020

\$8,800

1

Ventilation

Distribution

Ductwork/Diffusers

10%

LIFE

* * 2-5

\$500

No Component

90%

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FIRE DEPARTMENT - 057
ENGINE CO. 202/LADDER CO. 101
Asset # : 13099

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
	Exhaust Fans							
	Roof	10%			2027	\$1,400	2	
	Wall Unit	50%			2032	**	2	\$100
	No Component	40%						
Plumbing								
	H/C Water Piping							
	Galvanized Steel	92%			2040	**	1	
	Galvanized Steel	8%	0-2	\$3,000	2047	**	1	
				<i>Corroded, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
	Water Heater							
	Gas Fired	100%			2025	\$5,200	2	\$100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : Two 74 Gallon</i>				
	Sanitary Piping							
	Cast Iron	80%			LIFE	**	1	
	Cast Iron	20%	2-4	\$12,400	LIFE	**	1	
				<i>Corroded, Extent : Moderate, Area Affected : 20%</i>				
				<i>Location : Basement</i>				
	Storm Drain Piping							
	Cast Iron	5%	0-2	\$900	LIFE	**	1	
				<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>				
				<i>Location : Roof Drain</i>				
				<i>Corroded, Extent : Moderate, Area Affected : 10%</i>				
				<i>Location : Basement</i>				
	Cast Iron	95%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2020	\$300	4	\$300
				<i>Other Observation, Extent : Light, Area Affected : 10%</i>				
				<i>Location : Cellar</i>				
				<i>Explanation : (2) Heavy Usage From Water Intrusion And Undersized</i>				
	Fixtures							
	Generic	100%						
				<i>Obsolete Fixtures, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Entire House</i>				
	Fire Suppression							
	Chemical System							
	Wet	10%			2025	\$200	1-3	\$500
	No Component	90%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 205/LADDER CO. 118
Address : 74 MIDDAGH STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.205 / 13101 **Yr Built/Renovated** : 1929 / 2009
Area Sq Ft : 6,128 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Apr-2016 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 216 **Lot** : 22 **BIN** : 3001600

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Mechanical		\$40,500
Total		\$40,500
Importance Code A		\$40,500
Total		\$40,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$36,800			\$2,600
Interior Architecture	\$2,500	\$1,100		\$200
Electrical	\$1,700			\$200
Mechanical	\$7,400	\$1,000	\$3,300	\$34,100
Total	\$48,500	\$2,200	\$3,300	\$37,100
Importance Code A	\$37,400	\$600	\$600	\$3,200
Importance Code B	\$8,600	\$1,200	\$2,700	\$33,900
Importance Code C	\$2,500	\$300		
Total	\$48,500	\$2,200	\$3,300	\$37,100



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 205/LADDER CO. 118

Asset # : 13101

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	4+	\$10,900	LIFE	**	5	\$16,600	
<i>Spalling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Over Side Entrance Door</i>								
<i>Water Penetration, Extent : Light, Area Affected : 2%</i>								
<i>Location : At Grade By Stair To Basement</i>								
Masonry: Granite	2%	0-2	\$2,700	LIFE	**	5	\$300	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	13%	Now	\$16,100	LIFE	**	5	\$2,000	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Cornice</i>								
Wood Overhead Doors	5%			2032	**	5	\$5,200	
Windows								
Aluminum	100%			2043	**	5	\$1,900	
Parapets								
Masonry: Brick	80%	0-2	\$2,700	LIFE	**	5	\$2,100	
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Main Roof</i>								
Masonry: Limestone	8%	0-2	\$1,200	LIFE	**	5	\$300	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Pre-Cast Concrete	12%			LIFE	**	5	\$2,000	
Roof								
Asphalt Shingle	25%			2036	**	10	\$400	
Built-Up (BUR)	75%	Now	\$3,200	2027	\$31,700			
<i>Alligatoring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Main Roof By Chimney</i>								
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Over Interior Stairwell</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Main Roof And Lower Roof At Side Entrance</i>								
<i>Explanation : Flashings Popped Out</i>								
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	**	5	\$12,000	
Ceramic Tile	10%			2030	**	5	\$900	
Vinyl Tile	30%			2032	**	3	\$1,000	

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FIRE DEPARTMENT - 057
ENGINE CO. 205/LADDER CO. 118
Asset # : 13101

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Cast in Place Concrete	15%			LIFE	**			
Ceramic Tile	5%			2030	**	5	\$600	
Gypsum Board	10%			LIFE	**	5	\$700	
<i>Repairs in Progress, Extent : Light, Area Affected : 20%</i>								
<i>Location : Basement And Stairwell</i>								
Masonry: Brick	25%	Now	\$2,500	LIFE	**			
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Stairwell At Basement Level</i>								
<i>Water Penetration, Extent : Light, Area Affected : 2%</i>								
<i>Location : Stairwell At Basement Level</i>								
Plaster	20%			LIFE	**	5	\$700	
SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	5%			2032	**	5	\$500	
Exposed Struc: Steel	35%			LIFE	**			
Plaster	60%			LIFE	**	5	\$3,400	
<i>Repairs in Progress, Extent : Light, Area Affected : 2%</i>								
<i>Location : Stairwell</i>								
Site Enclosure								
Fence/Gates								
Chain link	100%			2037	**			
Free Standing Walls								
Cast in Place Concrete	100%			2047	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2032	**			
On-Site Walkways								
Cast in Place Concrete	100%			2032	**			
Parking/Driveway								
Cast in Place Concrete	100%			2032	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2047	**	5		
Switchgear / Switchboard								
Molded Case Bkrs	90%			2047	**	5	\$100	
Not Accessible	10%							
Raceway								
Conduit	100%			2037	**	1		

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 205/LADDER CO. 118
Asset # : 13101

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Fused Disc Sw	10%			2043	**	5		
Molded Case Bkrs	70%			2043	**	5	\$100	
Molded Case Bkrs	20%			2035	**	5		
Wiring								
Thermoplastic	100%			2037	**	1		
Motor Controllers								
Motor Control Center	100%			2032	**	5	\$200	
Ground								
Grounding Devices								
Generic	100%	Now	\$1,000	LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : There Is No Ground Wire Jumper For The Water Meter.</i>								
Lighting								
Interior Lighting								
Fluorescent	85%			2027	\$15,400	10	\$4,800	
Incandescent	15%			2027	\$6,400	2		
Egress Lighting								
Emergency, Service	50%			2027	\$1,600	1		
Exit, Service	50%			2027	\$400	1		
Exterior Lighting								
Fluorescent	50%			2027	\$10,700	10	\$300	
LED	50%			2032	**			
Alarm								
Fire/Smoke Detection								
No Component	95%							
Generic, Digital	5%	Now	\$700	2037	**	1-3	\$200	
<i>Devices Missing, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Various Locations Around The Building</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Various Locations Around The Building</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2037	**	1		
<i>Corroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
Conversion Equipment								
Steam Boiler	100%			2025	\$40,500	1	\$6,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Natural Gas Steam Boiler</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 205/LADDER CO. 118

Asset # : 13101

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Distribution								
Central Plant Steam Piping/Pmp	100%			2047	**	4	\$500	
Terminal Devices								
Convactor/Radiator	98%			2032	**	1	\$1,900	
Fan Coil Unit/Heat	2%	Now	\$1,900	2037	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Womens Bathroom</i>								
<i>Malfunctioning, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor Offices</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Split Unit	20%			2022			\$26,700	
<i>Corroded, Extent : Light, Area Affected : 25%</i>								
<i>Location : Rooftop Condenser</i>								
Window/Wall Unit	50%			2022		1	\$6,500	
No Component	30%							
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$8,000	
Ventilation								
Distribution								
Ductwork/Diffusers	100%	Now	\$2,900	LIFE	**	2-5	\$3,400	
<i>Needs Cleaning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Kitchen Hood</i>								
<i>Explanation : Incomplete Installation</i>								
Exhaust Fans								
Interior	20%			2027		2	\$4,500	
Roof	10%	Now	\$1,000	2037	**	2		
<i>Broken, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor Bathroom Roof Fan</i>								
Roof	10%			2027		2	\$1,000	
Wall Unit	20%			2027		2	\$400	
No Component	40%							
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2032	**	1		
Water Heater								
Gas Fired	100%			2025		2	\$3,800	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 74 Gallon</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 205/LADDER CO. 118
Asset # : 13101

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Storm Drain Piping Cast Iron	100%	Now	\$700	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Outside Alley</i>								
Sump Pump(s) Submersible	100%	Now		2020	\$200	4	\$100	
<i>Not in Service, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fixtures								
Generic	100%							

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 206
Address : 1201 GRAND STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.206 / 13102 **Yr Built/Renovated** : 1976 /
Area Sq Ft : 10,180 **Project Type** : FIRE DEPARTMENT
Date of Survey : 04-Oct-2011 **Landmark Status** : NONE
Areas Surveyed :
Block : 2929 **Lot** : 53 **BIN** : 3070506

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Interior Architecture	\$64,700	
Electrical	\$104,200	
Total	\$168,900	
Importance Code B	\$168,900	
Total	\$168,900	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$37,400		\$14,900	
Interior Architecture	\$23,200		\$600	\$1,700
Electrical	\$6,200	\$700	\$19,900	\$800
Mechanical	\$900	\$900	\$5,200	\$16,600
Total	\$67,700	\$1,600	\$40,700	\$19,200
Importance Code A	\$37,900	\$500	\$15,400	\$500
Importance Code B	\$29,800	\$1,100	\$25,200	\$18,300
Importance Code C				\$400
Total	\$67,700	\$1,600	\$40,700	\$19,200



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FIRE DEPARTMENT - 057
ENGINE CO. 206
Asset # : 13102

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	90%	0-2	\$11,600	LIFE	**	5	\$19,300	
<i>Vertical Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Overhead Door Opening</i>								
Wood Overhead Doors	10%	0-2	\$3,400	2036	**	5	\$5,400	
<i>Paint Peeling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Apparatus</i>								
Windows								
Aluminum	100%	Now	\$22,400	2048	**	5	\$300	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$600	
Concrete Masonry Unit	45%			LIFE	**	5	\$400	
Masonry: Brick	45%			LIFE	**	5	\$400	
Roof								
Modified Bitumen	100%			2031	**	10	\$14,900	
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$13,300	
Ceramic Tile	5%			2032	**	5	\$800	
Quarry Tile	5%			2036	**	5	\$1,100	
Vinyl Tile	50%	2-4	\$64,700	2033	**	3	\$2,900	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	10%			2032	**	5	\$800	
Concrete Masonry Unit	35%			LIFE	**	5	\$1,100	
SGFT/Glazed Masonry	55%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	90%	Now	\$22,200	2040	**	5	\$6,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Boiler Room And Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 90%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Apparatus Room And Throughout</i>								
Plaster	10%	0-2	\$1,000	LIFE	**	5	\$1,000	
<i>Paint Peeling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor Bathroom</i>								
<i>Explanation : (</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2023	\$4,800	5	\$300	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 206
Asset # : 13102

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	100%			2023	\$31,300	1		
Panelboards								
Molded Case Bkrs	100%			2022	\$38,500	5	\$300	
<i>Obsolete Equipment, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout Firehouse</i>								
Wiring								
Thermoplastic	100%			2023	\$27,700	1		
Motor Controllers								
Locally Mounted	100%			2021	\$14,400	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2021	\$4,800	1	\$3,100	
Generators								
Diesel	100%			2019	\$65,700	1	\$3,900	
Batteries								
Lead/Acid	100%			2019	\$1,500	5	\$400	
Fuel Storage								
Main Tank	100%			2038	**	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : 275 Gallons</i>								
Lighting								
Interior Lighting								
Fluorescent	100%			2023	\$27,600	10	\$9,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Mostly T-8</i>								
Exterior Lighting								
HID	50%			2023	\$19,200	10		
HID	10%			2019	\$3,800	10		
No Component	40%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2040	**	1	\$5,000	
Distribution								
Hot Wtr Piping/Pump	100%			2045	**	4	\$500	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 206
Asset # : 13102

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Terminal Devices								
Convactor/Radiator	95%			2040	**	1	\$3,100	
Unit Heater - Steam	5%			2031	**	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2045	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	50%			2031	**	2	\$300	
Window/Wall Unit	50%			2022	\$9,900	1		
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$13,200	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,700	
Exhaust Fans								
Roof	100%			2028	\$15,800	2	\$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2049	**	1		
Water Heater								
Gas Fired	100%			2022	\$5,800	2	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Utility Room</i>								
<i>Explanation : 2 - 75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	95%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Ansul System Serves Cooking Area</i>								
Generic	5%			2049	**	1-2	\$200	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 209/LADDER CO. 102
Address : 850 BEDFORD AVENUE BET MYRTLE AVE AND PARK AVE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.209 / 13104 **Yr Built/Renovated** : 1965 / 2012
Area Sq Ft : 8,727 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Mar-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1900 **Lot** : 50 **BIN** : 3054771

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Electrical		\$9,600
Total		\$9,600
Importance Code B		\$9,600
Total		\$9,600

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$38,000	\$1,900		
Interior Architecture	\$40,500	\$700	\$1,100	\$1,200
Electrical	\$3,000	\$200	\$100	\$100
Mechanical	\$29,200	\$700	\$4,300	\$10,000
Total	\$110,600	\$3,500	\$5,500	\$11,300
Importance Code A	\$44,700	\$2,400	\$400	\$500
Importance Code B	\$55,300	\$1,200	\$4,300	\$10,900
Importance Code C	\$10,700		\$800	
Total	\$110,600	\$3,500	\$5,500	\$11,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 209/LADDER CO. 102
Asset # : 13104

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	10%	Now	\$24,700	LIFE	**	5	\$800	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor Rear At Air Conditioner Opening</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor Rear At Air Conditioner Opening</i>								
<i>Explanation : Opening Cut In Brick Wall For Air Conditioner. Brick Missing And No Lintel Installed.</i>								
Masonry: Brick	40%	4+	\$2,000	LIFE	**	5	\$3,300	
<i>Efflorescence, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Front Facade</i>								
Metal Sect. OHD	15%			2040	**	5	\$3,800	
Pre-Cast Concrete	35%			LIFE	**	5	\$9,300	
Windows								
Aluminum	100%	0-2	\$7,700	2035	**	5	\$500	
<i>Hardware Missing, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Caulking Deteriorated, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	100%	0-2	\$3,600	LIFE	**	5	\$3,100	
<i>Efflorescence, Extent : Light, Area Affected : 25%</i>								
<i>Location : Back Faces Of Parapets</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : All Faces Of The Building Parapet</i>								
<i>Explanation : Parapet At Facade Is Precast Concrete</i>								
Roof								
Modified Bitumen	100%			2035	**	10	\$12,500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	50%	4+	\$1,300	LIFE	**	5	\$13,400	
<i>Loose/Delam Surface, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement Storage Room</i>								
Ceramic Tile	5%			2036	**	5	\$600	
Quarry Tile	5%			2040	**	5	\$900	
Vinyl Tile	38%	2-4	\$23,700	2037	**	3	\$1,700	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
Wood	2%			2055	**	5	\$500	

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FIRE DEPARTMENT - 057
ENGINE CO. 209/LADDER CO. 102

Asset # : 13104

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Interior Walls

Ceramic Tile	10%			2036	**	5	\$1,700	
Concrete Masonry Unit	15%			LIFE	**	5	\$1,000	
Masonry: Brick	10%			LIFE	**			
Plaster	35%	4+	\$900	LIFE	**	5	\$1,800	

Paint Peeling, Extent : Moderate, Area Affected : 5%

Location : Basement

Punct/Tear/Impact Damage, Extent : Light, Area Affected : 1%

Location : 2nd Floor

SGFT/Glazed Masonry	30%	Now	\$9,800	LIFE	**			
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Cracking/Crumbling, Extent : Light, Area Affected : 10%

Location : Bunkroom, Throughout 1st Floor

Ceilings

AcousTileSusp.Lay-In	10%			2032	**	5	\$1,200	
Exposed Concrete	60%			LIFE	**	5	\$1,100	
Plaster	30%	Now	\$4,800	LIFE	**	5	\$2,300	

Cracking/Crumbling, Extent : Light, Area Affected : 10%

Location : Throughout

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2037	**	5		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement Electrical Room

Explanation : 400 Amperes Main Disconnect Switch

Raceway

Conduit	50%			2037	**	1		
Conduit	50%			2047	**	1		

Panelboards

Molded Case Bkrs	75%			2035	**	5	\$200	
Molded Case Bkrs	25%			2026		5	\$100	

Wiring

Braided Cloth	50%			2026	\$13,800	1		
Thermoplastic	50%			2037	**	1		

Motor Controllers

Locally Mounted	100%			2025	\$14,400	5	\$100	
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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FIRE DEPARTMENT - 057
ENGINE CO. 209/LADDER CO. 102
Asset # : 13104

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	90%	4+	\$1,100	2027	\$21,300			
<i>Damaged Fixtures, Extent : Light, Area Affected : 50%</i>								
<i>Location : 2nd Floor Locker Room</i>								
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	10%	Now	\$1,700	2037	**	2		
<i>Inadequate Lighting Level, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Sitting Room</i>								
<i>Obsolete Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Sitting Room</i>								
<hr/>								
Egress Lighting Emergency, Service	5%			2032	**	1		
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : In Chief Bathroom, Laundry Room And Women Locker Room On The 2nd Floor</i>								
<i>Explanation : Emergency Lighting</i>								
No Component	95%							
<hr/>								
Exterior Lighting HID	50%			2027	\$16,500	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Facade And Side Wall</i>								
<i>Explanation : Wall Mounted, Controlled Via Time Clock</i>								
HID	50%			2032	**	10		
<hr/>								
Alarm								
Security System No Component Generic	90%							
	10%			2032	**	1	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Above Front Door</i>								
<i>Explanation : One Camera</i>								
<hr/>								
Fire/Smoke Detection No Component Generic, Analog	90%							
	10%	Now	\$200	2032	**	1-3	\$500	
<i>Devices Missing, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2047	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 209/LADDER CO. 102

Asset # : 13104

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment								
Hot Water Boiler	90%			2040	**	1	\$3,900	
Hot Water Boiler	10%	Now	\$6,300	2047	**	1	\$400	
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement, Boiler Controls Jumped Out To Enable Boiler Operation</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 3 Natural Gas Fueled Sectional Hot Water Boilers</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2026	\$12,700	4	\$400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Aged</i>								
Terminal Devices								
Convactor/Radiator	75%			2032	**	1	\$2,100	
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Convactor/Radiator	5%	0-2	\$400	2047	**	1	\$100	
<i>Damaged, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Various Locations Throughout, Damaged Radiator Covers</i>								
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout Facility</i>								
Unit Heater - Steam	5%			2035	**	4	\$100	
<i>Damaged, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Gymnasium, Defective Controls 1 Of 3 Unit Heaters</i>								
<i>Recent Repair Evident, Extent : Light, Area Affected : 20%</i>								
<i>Location : Weight Room</i>								
Unit Heater - Steam	15%			2027	\$4,400	4	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor And Gymnasium</i>								
<i>Explanation : Units Beyond Useful Life</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Split Unit	20%			2027	\$34,800			
Window/Wall Unit	30%			2022	\$5,100	1		
Window/Wall Unit	10%	Now	\$1,700	2027	\$1,700	1		
<i>Broken, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								
No Component	40%							
Distribution								
Ductwork/Diffusers	100%	2-4	\$13,100	LIFE	**	2	\$11,400	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Bunk Room</i>								
<i>Explanation : Needs Cleaning</i>								

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 209/LADDER CO. 102
Asset # : 13104

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Dehumidifier								
	No Component	90%						
	Generic	10%			2028			
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,900
<i>Needs Cleaning, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Bunk Room, Kitchen Exhaust Systems And Toilet Exhaust</i>								
Exhaust Fans								
	Interior	50%	Now	\$4,400	2027	\$14,500	2	\$100
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Rig Garage, Stairwell</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Toilet Exhaust Not Working</i>								
	Roof	25%			2032	**	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Unit Serves Newly Renovated Restrooms</i>								
	Roof	10%			2027	\$1,400	2	
<i>On Extended Life, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Sleeping Quarters</i>								
	Roof	15%	Now	\$2,000	2037	**	2	
<i>Malfunctioning, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Kitchen Hood</i>								
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2047	**	1	
Water Heater								
	Gas Fired	100%			2025	\$5,000	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 75 Gallon Units</i>								
Sanitary Piping								
	Cast Iron	50%			LIFE	**	1	
	Cast Iron	50%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Non-Submersible	100%			2022	\$1,200	4	\$200
Fixtures								
	Generic	100%						
Fire Suppression								

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 209/LADDER CO. 102

Asset # : 13104

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Chemical System							
	Wet	10%	4+	\$500	2022	\$2,600	1-3	\$400
		<i>Heads Blocked, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : Kitchen Hood</i>						
	No Component	90%						

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 21
Address : 238 EAST 40th STREET BTWN 2ND AVE. - 3RD AVE.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.021 / 13015 **Yr Built/Renovated** : 1940 /
Area Sq Ft : 3,759 **Project Type** : FIRE DEPARTMENT
Date of Survey : 30-Mar-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 920 **Lot** : 42 **BIN** : 1020385

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$49,600	
Electrical		\$48,800
Mechanical		\$59,500
Total	\$49,600	\$108,300
Importance Code A	\$49,600	
Importance Code B		\$108,300
Total	\$49,600	\$108,300

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$8,700			\$4,800
Interior Architecture	\$14,100	\$700		\$200
Electrical				\$14,700
Mechanical	\$3,900	\$500	\$500	\$6,300
Total	\$26,700	\$1,200	\$600	\$26,000
Importance Code A	\$9,100	\$400	\$400	\$5,200
Importance Code B	\$16,400	\$700	\$200	\$20,800
Importance Code C	\$1,300	\$200		
Total	\$26,700	\$1,200	\$600	\$26,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 21
Asset # : 13015

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	85%	2-4	\$49,600	LIFE	**	5	\$16,500	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout Side Facades, Bulkhead</i>								
<i>Misaligned/Bulging, Extent : Light, Area Affected : 5%</i>								
<i>Location : Top Left At Front Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bulkhead, Side Facades</i>								
Masonry: Granite	5%			LIFE	**	5	\$700	
Wood Overhead Doors	10%			2032	**	5	\$9,700	
Windows								
Aluminum	100%	Now	\$1,400	2035	**	5	\$800	
<i>Unit Inoperable, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Bathrooms, Stair Bulkhead</i>								
Parapets								
Masonry: Brick	90%			LIFE	**	5	\$2,000	
Masonry: Limestone	10%			LIFE	**	5	\$300	
Roof								
Modified Bitumen	98%	Now	\$7,300	2032	**			
<i>Blisters, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Debris Present, Extent : Light, Area Affected : 15%</i>								
<i>Location : Upper And Lower Roofs</i>								
Skylight, Metal/Glass	2%			2037	**	10	\$400	
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$6,000	
Ceramic Tile	5%			2030	**	5	\$300	
Vinyl Tile	50%			2035	**	3	\$1,100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2030	**	5	\$400	
Marble Panels	5%	Now	\$600	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 2%</i>								
<i>Location : Shower Stalls</i>								
Plaster	50%	Now	\$600	LIFE	**	5	\$1,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout And Stairwell To Basement</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout And Hose Tower</i>								
SGFT/Glazed Masonry	40%			LIFE	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 21
Asset # : 13015

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	5%			2032	**	5	\$300	
Exposed Concrete	20%	Now	\$11,700	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 6%</i>								
<i>Location : Hose Tower And Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Apparatus Floor/ Basement Ceiling</i>								
<i>Explanation : Structurally Insufficient</i>								
Plaster	75%	Now	\$1,200	LIFE	**	5	\$2,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Stair Bulkhead/ Hose Tower</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2027	\$4,800	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Amperes Main Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2027	\$48,800	5	\$100	
Raceway								
Conduit	90%			2027	\$28,200	1		
Conduit	10%			2047	**	1		
Panelboards								
Fused Disc Sw	10%			2026	\$3,800	5		
Molded Case Bkrs	90%			2026	\$34,600	5	\$100	
Wiring								
Thermoplastic	90%			2027	\$24,900	1		
Thermoplastic	10%			2047	**	1		
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								
Interior Lighting								
Incandescent	2%			2022	\$500	2		
LED	98%			2035	**			
Exterior Lighting								
HID	100%			2022	\$14,200	10		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 21
Asset # : 13015

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2037	**	1		
Conversion Equipment								
Steam Boiler	100%			2040	**	1	\$3,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2027	\$59,500	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2025	\$18,800	1	\$1,200	
Air Conditioning								
Conversion Equipment								
Window/Wall Unit	50%			2022	\$3,700	1		
No Component	50%							
Ventilation								
Exhaust Fans								
Wall Unit	100%			2027	\$1,300	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2047	**	1		
Water Heater								
Gas Fired	100%			2022	\$2,100	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Hard To Access For Maintenance</i>								
Sanitary Piping								
Cast Iron	80%			LIFE	**	1		
Cast Iron	20%	Now	\$2,600	LIFE	**	1		
<i>Leak Evident, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 1st Floor Ceiling</i>								
Storm Drain Piping								
Cast Iron	100%	Now	\$700	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement When It Rains</i>								
Sump Pump(s)								
Not Accessible	100%							
Fixtures								
Generic	100%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 210
Address : 160 CARLTON AVENUE
Borough : BROOKLYN
Program / Asset # : FIRSECO.210 / 13105
Area Sq Ft : 6,780
Date of Survey : 23-Mar-2016
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2072 **Lot** : 33 **BIN** : 3058296
Agency's Number : N/A
Yr Built/Renovated : 1913 / 2003
Project Type : FIRE DEPARTMENT
Landmark Status : NONE

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Mechanical		\$47,600
Total		\$47,600
Importance Code B		\$47,600
Total		\$47,600

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$21,000	\$4,500		
Interior Architecture	\$28,100		\$400	
Electrical	\$2,800	\$100		
Mechanical	\$3,200	\$700	\$1,300	\$1,900
Total	\$55,000	\$5,300	\$1,700	\$2,000
Importance Code A	\$21,300	\$4,900	\$300	\$400
Importance Code B	\$31,800	\$400	\$900	\$1,600
Importance Code C	\$1,900		\$400	
Total	\$55,000	\$5,300	\$1,700	\$2,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 210
Asset # : 13105

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Masonry: Brick	75%			LIFE	**	5	\$21,700		
Masonry: Limestone	10%	0-2	\$17,500	LIFE	**	5	\$2,200		
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
Metal Sect. OHD	10%			2040	**	5	\$9,000		
Granite Panels	5%			LIFE	**	5	\$1,100		
Windows									
Aluminum	100%			2043	**	5	\$800		
Parapets									
Masonry: Brick	90%			LIFE	**	5	\$2,000		
Masonry: Limestone	10%			LIFE	**	5	\$300		
Roof									
Modified Bitumen	95%	0-2	\$800	2032	**				
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>									
<i>Location : Throughout</i>									
Skylight, Metal/Glass	5%	Now	\$2,600	2047	**				
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>									
<i>Location : Throughout</i>									
Interior									
Floors									
Cast in Place Concrete	30%	Now	\$9,700	LIFE	**	5	\$6,800		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>									
<i>Location : Throughout</i>									
Ceramic Tile	10%	0-2	\$400	2036	**	5	\$500		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 1%</i>									
<i>Location : Bathroom Throughout</i>									
Wood	60%	4+	\$10,200	2055	**	5	\$5,800		
<i>Deteriorated Finish, Extent : Light, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
Interior Walls									
Cast Stone/Terra Cotta	7%			LIFE	**				
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 30%</i>									
<i>Location : Kitchen</i>									
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Kitchen</i>									
<i>Explanation : Cementitious Panels</i>									
Ceramic Tile	5%			2036	**	5	\$800		
Concrete Masonry Unit	25%			LIFE	**	5	\$1,600		
Masonry: Brick	30%			LIFE	**				
Metal Panel	3%			LIFE	**				
Plaster	30%	Now	\$1,900	LIFE	**	5	\$1,400		
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>									
<i>Location : Throughout</i>									

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 210
Asset # : 13105

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
Exposed Struc: Steel	25%			LIFE	**			
Gypsum Board	60%	Now	\$6,000	LIFE	**	5	\$7,400	
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Metal Panel	15%			LIFE	**	5	\$1,800	
Site Pavements								
Parking/Driveway								
Cast in Place Concrete	100%			2032	**			
Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2037	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Amperes Main Disconnect Switch</i>								
Raceway								
Conduit	100%			2037	**	1		
Panelboards								
Fused Disc Sw	10%			2035	**	5		
Molded Case Bkrs	90%			2035	**	5	\$200	
Wiring								
Thermoplastic	100%			2037	**	1		
Motor Controllers								
Locally Mounted	100%			2032	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	15%	Now	\$2,800	2037	**			
<i>Damaged Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Fixtures are not operational Ballasts Need Replacement</i>								
Fluorescent	85%			2027		10	\$5,300	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Egress Lighting								
Emergency, Service	70%			2027		1	\$2,300	
Exit, Service	30%			2027		1	\$200	

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 210
Asset # : 13105

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting

HID

100%

2027

\$25,600

10

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2047

* *

1

Conversion Equipment

Furnace

50%

2032

* *

1

\$1,700

*Other Observation, Extent : Light, Area Affected : 50%**Location : Roof**Explanation : 5 Roof Top Package Units*

Hot Water Boiler

50%

2040

* *

1

\$1,700

*Other Observation, Extent : Light, Area Affected : 50%**Location : Basement**Explanation : 1 Unit*

Distribution

Hot Wtr Piping/Pump

50%

Now

\$500

2043

* *

4

\$200

*Leak Evident, Extent : Moderate, Area Affected : 5%**Location : 2nd Floor Gymnasium, Leak Damaging The Floor*

No Component

50%

Terminal Devices

Convactor/Radiator

40%

2040

* *

1

\$900

Unit Heater - Steam

10%

2032

* *

4

\$100

No Component

50%

Air Conditioning

Energy Source

Electricity

100%

2043

* *

1

Conversion Equipment

Ext Pkg Unit -

Heating/Cooling

60%

2027

\$47,600

2

\$300

*Other Observation, Extent : Light, Area Affected : 100%**Location : Roof**Explanation : 5 Units, R-22 Refrigerant*

Window/Wall Unit

10%

2022

\$1,300

1

No Component

30%

Ventilation

Distribution

Ductwork/Diffusers

100%

LIFE

* *

2-5

\$3,800

Exhaust Fans

Roof

100%

2032

* *

2

\$200

Plumbing

H/C Water Piping

Brass/Copper

100%

2047

* *

1

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 210
Asset # : 13105

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Water Heater Gas Fired	100%	Now	\$1,900	2025	\$3,900	2	\$100	
<i>Leak Evident, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 1 Out Of 2 Is Leaking, Basement</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Non-Submersible	100%			2032	**	4	\$200	
Fixtures Generic	100%							
Fire Suppression Sprinkler Generic	100%			2047	**	1-2	\$1,900	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 211/LADDER CO. 119 FIRE MARSHALLS
Address : 26 HOOPER STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.211 / 13106 **Yr Built/Renovated** : 1925 /
Area Sq Ft : 28,285 **Project Type** : FIRE DEPARTMENT
Date of Survey : 03-Jun-2015 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2,3,4,5
Block : 2203 **Lot** : 16 **BIN** : 3060298

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$156,500	\$43,700
Interior Architecture	\$233,600	
Electrical		\$122,300
Mechanical		\$99,300
Total	\$390,100	\$265,300
Importance Code A	\$156,500	\$43,700
Importance Code B	\$233,600	\$221,600
Total	\$390,100	\$265,300

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$35,300		\$17,700	
Interior Architecture	\$64,400	\$1,100	\$1,000	\$3,700
Electrical	\$7,000	\$2,100	\$2,200	\$2,200
Mechanical	\$16,200	\$4,000	\$57,200	\$4,200
Elevators/Escalators	\$4,900	\$4,900	\$4,900	\$4,900
Total	\$127,900	\$12,100	\$83,000	\$15,000
Importance Code A	\$42,700	\$2,600	\$20,300	\$2,600
Importance Code B	\$64,000	\$9,500	\$62,700	\$12,400
Importance Code C	\$21,100			
Total	\$127,900	\$12,100	\$83,000	\$15,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 211/LADDER CO. 119 FIRE MARSHALLS
Asset # : 13106

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	25%	Now	\$112,800	LIFE	**	5	\$12,500	
<i>Efflorescence, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Elevator Penthouse</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Site Walls Located Around Perimeter Of Property, Chimney</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Site Wall Located At Rear Of Property</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Elevator Penthouse</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Elevator Penthouse</i>								
Stucco Cement	70%			2031	**	5	\$87,400	
Wood Overhead Doors	5%	Now	\$1,600	2031	**	5	\$6,200	
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : All Doors</i>								
<i>Explanation : Repairs In Progress</i>								
Windows								
Aluminum	100%	Now	\$33,700	2034	**	5	\$2,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Fourth Floor Offices Along The South Side And Various Other Locations.</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$1,200	
Masonry: Brick	80%			LIFE	**	5	\$2,400	
Metal Panel	15%			2046	**	5	\$1,700	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Entire Parapet On Main Roof</i>								
Roof								
Modified Bitumen	100%			2031	**	10	\$16,800	
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 211/LADDER CO. 119 FIRE MARSHALLS
Asset # : 13106

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	20%			LIFE	**	5	\$18,500	
<i>Repairs in Progress, Extent : Light, Area Affected : 15%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	5%			2035	**	5	\$2,100	
Quarry Tile	3%			2031	**	5	\$1,900	
Terrazzo	2%	Now	\$7,900	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor Showers</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor Showers</i>								
Vinyl Tile	65%	Now	\$4,700	2021	\$233,600	3	\$10,300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout 2nd Floor</i>								
Vinyl Tile	5%	Now	\$18,000	2036	**	3	\$800	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Third Floor Workout Room.</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Third Floor Workout Room.</i>								
Interior Walls								
Cast in Place Concrete	30%			LIFE	**			
Ceramic Tile	5%	Now	\$12,300	2029	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 60%</i>								
<i>Location : 3rd Floor Shower Area Adjacent To Gymnasium</i>								
Concrete Masonry Unit	25%			LIFE	**	5	\$4,500	
Gypsum Board	15%			LIFE	**	5	\$4,000	
Plaster	10%	Now	\$3,600	LIFE	**	5	\$1,300	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Room 211, Northeast Corner Of 4th And 5th Floor Offices</i>								
SGFT/Glazed Masonry	15%	Now	\$5,200	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : 1st Floor, Apparatus Area</i>								
Ceilings								
AcousTileSusp.Lay-In	50%			2039	**	5	\$21,200	
Exposed Concrete	30%			LIFE	**	5	\$2,000	
Plaster	20%	Now	\$2,200	LIFE	**	5	\$5,300	
<i>Paint Peeling, Extent : Light, Area Affected : 2%</i>								
<i>Location : 2nd Floor Locker Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 2nd Floor Locker Room</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 211/LADDER CO. 119 FIRE MARSHALLS

Asset # : 13106

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2046	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : 400 Amperes Main Switch</i>								
Raceway								
Conduit	100%			2036	**	1		
Panelboards								
Molded Case Bkrs	25%			2042	**	5	\$200	
Molded Case Bkrs	75%			2034	**	5	\$600	
Wiring								
Thermoplastic	100%			2036	**	1		
Motor Controllers								
Locally Mounted	100%			2031	**	5	\$200	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$400	
Stand-by Power								
Transfer Switches								
Automatic	100%			2039	**	1	\$8,700	
Generators								
Diesel	100%			2029	**	1	\$11,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior</i>								
<i>Explanation : 125w Generator</i>								
Batteries								
Lead/Acid	100%			2019	\$1,500	5	\$1,000	
Fuel Storage								
Day Tank	100%			2034	**	5	\$5,200	
Lighting								
Interior Lighting								
Fluorescent	60%			2026	\$46,000	10	\$15,600	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fluorescent	30%			2026	\$23,000	10	\$7,800	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 4th And 5th Floors</i>								
Incandescent	10%			2026	\$18,100	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Stairs, Dormitory And Closets</i>								
<i>Explanation : Mostly Incandescent Fixtures</i>								
Egress Lighting								
Emergency, Service	20%			2026	\$2,800	1		
No Component	80%							
Exterior Lighting								
HID	50%			2026	\$53,300	10		
No Component	50%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 211/LADDER CO. 119 FIRE MARSHALLS
Asset # : 13106

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Security System								
No Component	90%							
Generic	10%			2026	\$8,500	1	\$1,100	

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source								
Natural Gas	100%			2046	**	1		
Conversion Equipment								
Hot Water Boiler	16%			2039	**	1	\$2,200	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Mechanical Room</i>					
			<i>Explanation : 1 Hot Water Boiler</i>					
Steam Boiler	34%	Now	\$5,800	2039	**	1	\$8,600	1
			<i>Unit Inoperable, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Mechanical Room</i>					
			<i>Other Observation, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Mechanical Room</i>					
			<i>Explanation : 2 Of 5 Boilers Not Operating</i>					
Steam Boiler	50%			2039	**	1	\$14,000	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Mechanical Room</i>					
			<i>Explanation : 3 Of 5 Steam Boilers Running Ok</i>					
Distribution								
Hot Wtr Piping/Pump	16%			2042	**	4	\$200	
Central Plant Steam Piping/Pmp	84%	0-2	\$7,500	2036	**	4	\$1,200	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : 2nd Floor</i>					
			<i>Explanation : Water Damage To Walls And Ceilings On 2nd Floor.</i>					
Terminal Devices								
Convactor/Radiator	100%			2031	**	1	\$9,100	
Air Conditioning								
Energy Source								
Electricity	100%			2042	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 211/LADDER CO. 119 FIRE MARSHALLS
Asset # : 13106

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	30%			2026	\$99,300	2	\$500
				<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Roof</i>				
	Split Unit	2%			2026	\$11,300		
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Kitchen</i>				
				<i>Explanation : R 410a</i>				
	Window/Wall Unit	58%			2021	\$32,000	1	
	No Component	10%						
Distribution								
	Ductwork/Diffusers	30%			LIFE	**	2	\$11,000
	No Component	70%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$15,800
Exhaust Fans								
	Roof	70%			2026	\$30,700	2	\$600
	Wall Unit	30%			2026	\$2,800	2	\$300
Plumbing								
H/C Water Piping								
	Brass/Copper	50%			2046	**	1	
	Galvanized Steel	50%			2031	**	1	
Water Heater								
	Gas Fired	100%			2021	\$16,100	2	\$400
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Mechanical Room</i>				
				<i>Explanation : 2 75 Gallon Water Heaters</i>				
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
				<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : 2nd Floor</i>				
				<i>Explanation : Possible Leaking From Drain Piping. Could Not Verify.</i>				
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Fixtures								
	Generic	100%						
				<i>Other Observation, Extent : Severe, Area Affected : 5%</i>				
				<i>Location : Shower</i>				
				<i>Explanation : Bases Cracked</i>				
Vertical Transport								
Elevators								
	Geared Traction	100%			LIFE	**		
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Serves 1st To 5th Floor</i>				
				<i>Explanation : 1 Unit</i>				

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FIRE DEPARTMENT - 057
ENGINE CO. 211/LADDER CO. 119 FIRE MARSHALLS
Asset # : 13106

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Fire Suppression	Chemical System							
	Generic	100%		2024	\$1,900	1-3	\$3,700	

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 214
Address : 495 HANCOCK STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.214 / 13108 **Yr Built/Renovated** : 1965 /
Area Sq Ft : 7,040 **Project Type** : FIRE DEPARTMENT
Date of Survey : 18-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1654 **Lot** : 45 **BIN** : 3045695

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$146,500	
Total	\$146,500	
Importance Code A	\$146,500	
Total	\$146,500	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$38,700			\$5,000
Interior Architecture	\$28,100	\$400	\$500	\$800
Electrical	\$4,700	\$200	\$200	\$3,400
Mechanical	\$15,800	\$600	\$700	\$12,900
Total	\$87,200	\$1,200	\$1,400	\$22,100
Importance Code A	\$43,700	\$300	\$300	\$5,400
Importance Code B	\$35,200	\$500	\$1,100	\$16,700
Importance Code C	\$8,300	\$400		
Total	\$87,200	\$1,200	\$1,400	\$22,100



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FIRE DEPARTMENT - 057
ENGINE CO. 214
Asset # : 13108

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$96,500	LIFE	**	5	\$16,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : At North Exit</i>								
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Hose Tower</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout Exterior Facades</i>								
Masonry: Granite	5%	4+	\$5,900	LIFE	**	5	\$800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Adjacent To Ohd</i>								
Masonry: Limestone	5%	4+	\$2,200	LIFE	**	5	\$800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Wood Overhead Doors	10%			2032	**	5	\$10,000	
Windows								
Aluminum	100%			2043	**	5	\$1,700	
Parapets								
Masonry: Brick	90%	Now	\$25,500	LIFE	**	5	\$2,200	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Corners</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%	Now	\$5,100	LIFE	**	5	\$300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Copings Missing At Front Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Coping</i>								
Roof								
Modified Bitumen	95%	Now	\$50,000	2037	**			
<i>Alligatoring, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Showers, Engine Office</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	5%			2037	**	10	\$1,500	

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 214
Asset # : 13108

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	55%			LIFE	**	5	\$12,300	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Ceramic Tile	10%			2036	**	5	\$1,000	
Quarry Tile	5%			2032	**	5	\$800	
Vinyl Tile	30%	2-4	\$13,100	2035	**	3	\$1,200	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
Interior Walls								
Ceramic Tile	5%			2030	**	5	\$700	
Masonry: Brick	20%			LIFE	**			
Plaster	35%	Now	\$8,300	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Hose Tower, 2nd Floor Corridor</i>								
SGFT/Glazed Masonry	35%			LIFE	**			
Wood	5%			LIFE	**	5	\$3,000	
Ceilings								
Exposed Concrete	15%			LIFE	**	5	\$200	
Exposed Struc: Steel	35%			LIFE	**			
Plaster	50%	Now	\$6,700	LIFE	**	5	\$3,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Hose Tower/ Stairwell</i>								
Site Enclosure								
Fence/Gates								
Chain link	100%			2037	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2032	**			
Parking/Driveway								
Cast in Place Concrete	100%			2044	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : Recent Replace Evident</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2047	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Switch Rated @ 400 Amperes</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 214
Asset # : 13108

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	50%			2047	**	1		
Conduit	50%			2037	**	1		
Panelboards								
Molded Case Bkrs	50%			2043	**	5	\$100	
Molded Case Bkrs	50%			2035	**	5	\$100	
Wiring								
Thermoplastic	50%			2037	**	1		
Thermoplastic	50%			2047	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : No Ground Wire Jumping Water Meter.</i>								
Lighting								
Interior Lighting								
Incandescent	5%			2022	\$2,300	2		
LED	95%			2032	**			
Egress Lighting								
Emergency, Battery	50%			2032	**	10	\$900	
Exit, Service	50%			2027	\$400	1		
Exterior Lighting								
HID	75%			2027	\$19,900	10		
HID	25%	Now	\$4,000	2037	**			
<i>Damaged Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Side Of Building On Exterior Wall</i>								
Alarm								
Fire/Smoke Detection								
No Component	50%							
Generic, Digital	50%	Now	\$700	2037	**	1-3	\$2,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout Building</i>								
<i>Explanation : Battery Only Smoke Detectors - Batteries Removed Or Smoke Detector Damaged.</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2037	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 214
Asset # : 13108

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment Hot Water Boiler	100%	Now	\$5,100	2032	**	1	\$3,100	
<i>Corroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Cellar</i>								
<i>On Extended Life, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : 1 Unit</i>								
Distribution Hot Wtr Piping/Pump	100%			2035	**	4	\$500	
Terminal Devices Convactor/Radiator	90%			2025	\$31,700	1	\$2,100	
Unit Heater - Steam	10%			2027	\$2,400	4	\$100	
Air Conditioning								
Energy Source Electricity	100%			2035	**	1		
Conversion Equipment Window/Wall Unit	60%			2022	\$8,200	1		
No Component	40%							
Ventilation								
Distribution Ductwork/Diffusers	25%			LIFE	**	2-5	\$1,000	
No Component	75%							
Exhaust Fans Roof	25%	0-2	\$1,400	2027	\$2,700	2		
<i>Noisy/Vibrating, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof</i>								
Wall Unit	20%			2027	\$500	2		
No Component	55%							
Plumbing								
H/C Water Piping Brass/Copper	98%			2037	**	1		
Brass/Copper	2%	Now	\$600	2053	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen Sink</i>								
<i>Explanation : Leak At Sink</i>								
Water Heater Gas Fired	100%			2022	\$4,000	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : 2 Units 74 Gallons</i>								
Sanitary Piping Cast Iron	90%			LIFE	**	1		
Cast Iron	10%	0-2	\$4,800	LIFE	**	1		
<i>Corroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 214
Asset # : 13108

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Storm Drain Piping							
	Cast Iron	75%			LIFE	**	1	
	Cast Iron	25%	0-2	\$3,400	LIFE	**	1	
		<i>Corroded, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
<hr/>								
	Fixtures							
	Generic	100%						
<hr/>								
Fire Suppression								
	Chemical System							
	Wet	10%			2025	\$200	1-3	\$500
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen Hood</i>						
		<i>Explanation : Fire Suppression</i>						
<hr/>								
	No Component	90%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 216/LADDER CO. 108 (COMBINED FACILITY)
Address : 187 UNION AVENUE @ MONTROSE AVE.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.216 / 13109 **Yr Built/Renovated** : 1971 /
Area Sq Ft : 8,880 **Project Type** : FIRE DEPARTMENT
Date of Survey : 19-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2465 **Lot** : 100 **BIN** : 3063633

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$90,000	
Interior Architecture		\$84,900
Total	\$90,000	\$84,900
Importance Code A	\$90,000	
Importance Code B		\$84,900
Total	\$90,000	\$84,900

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$2,800	\$1,200		\$13,800
Interior Architecture	\$26,100	\$1,500	\$3,200	\$700
Electrical	\$500	\$100		\$2,900
Mechanical	\$9,500	\$19,600	\$4,000	\$16,700
Total	\$38,800	\$22,400	\$7,100	\$34,100
Importance Code A	\$2,800	\$1,200		\$13,800
Importance Code B	\$36,100	\$21,200	\$5,200	\$20,300
Importance Code C			\$1,900	
Total	\$38,800	\$22,400	\$7,100	\$34,100



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 216/LADDER CO. 108 (COMBINED FACILITY)

Asset # : 13109

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	89%	0-2	\$80,900	LIFE	**	5	\$26,900	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Relieving Angles At Front, Side And Back Facades</i>								
Masonry: Brick	1%	Now	\$9,100	LIFE	**	5	\$300	1
<i>Vertical Cracks, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Stairwell At Side Of Building</i>								
Metal Sect. OHD	10%			2032	**	5	\$9,400	
Windows								
Aluminum	100%			2035	**	5	\$2,400	
Parapets								
Concrete Masonry Unit	3%			LIFE	**	5	\$100	
Masonry: Brick	67%			LIFE	**	5	\$2,900	
Metal Cornice	15%			2042	**	10	\$2,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof Parapet Coping</i>								
<i>Explanation : Metal Coping</i>								
Metal Rail	15%			2032	**	5-10	\$11,500	
Roof								
Built-Up (BUR)	100%	Now	\$2,800	2032	**			
<i>Water Penetration, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Water Damage In Locker Room Ceiling Below Fan Curb On Roof.</i>								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$32,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : First Floor Apparatus Area</i>								
Ceramic Tile	10%			2030	**	5	\$2,900	
Quarry Tile	1%	4+	\$200	2040	**	5	\$200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Kitchen</i>								
Terrazzo	5%	0-2	\$20,500	LIFE	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Dining Area</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 30%</i>								
<i>Location : First Floor</i>								
Vinyl Tile	34%			2027		3	\$3,800	
Interior Walls								
Ceramic Tile	10%			2036	**	5	\$3,800	
Concrete Masonry Unit	39%			LIFE	**	5	\$5,900	
Plaster	20%			LIFE	**	5	\$2,300	
Plywood/Hardboard	1%			LIFE	**			
SGFT/Glazed Masonry	30%			LIFE	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 216/LADDER CO. 108 (COMBINED FACILITY)

Asset # : 13109

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	5%			2032	**	5	\$1,400	
Exposed Concrete	45%			LIFE	**	5	\$1,900	
Plaster	15%	Now	\$5,400	LIFE	**	5	\$2,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : First Floor Apparatus Area</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor Dormitory</i>								
Plaster	35%			LIFE	**	5	\$6,100	
Site Enclosure								
Fence/Gates								
Chain link	100%			2037	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2032	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Not Accessible	100%							
Switchgear / Switchboard								
Not Accessible	100%							
Raceway								
Conduit	100%			2037	**	1		
Panelboards								
Molded Case Bkrs	100%			2035	**	5	\$200	
Wiring								
Thermoplastic	100%			2037	**	1		
Motor Controllers								
Locally Mounted	100%			2032	**	5	\$100	
Ground								
Grounding Devices								
Not Accessible	100%							
Stand-by Power								
Transfer Switches								
Not Accessible	100%							
Generators								
Not Accessible	100%							
Batteries								
Not Accessible	100%							
Fuel Storage								
Not Accessible	100%							
Lighting								

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FIRE DEPARTMENT - 057
ENGINE CO. 216/LADDER CO. 108 (COMBINED FACILITY)

Asset # : 13109

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	95%			2027	\$22,900	10	\$7,700	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Incandescent	5%			2022	\$2,800	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : In Sleeping Area 1st Floor And In Rear Yard</i>								
<i>Explanation : Incandescent Downlights</i>								
Egress Lighting Emergency, Service	100%			2027	\$4,400	1		
Exterior Lighting HID	50%			2027	\$16,700	10		
Incandescent	50%			2027	\$14,200	2		
Alarm								
Security System Not Accessible	100%							
Fire/Smoke Detection No Component Generic, Digital	95%	5%	Now	\$500	2037	**	1-3	\$200
<i>Devices Missing, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Various Locations Around Building</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Various Locations Around Building</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Entire Facility</i>								
<i>Explanation : Located In NYPD Facility</i>								
Conversion Equipment Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Entire Facility</i>								
<i>Explanation : Located In NYPD Facility</i>								
Distribution Hot Wtr Piping/Pump	100%			2043	**	4	\$700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout Firehouse</i>								
<i>Explanation : Only Firehouse Piping Accessible</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 216/LADDER CO. 108 (COMBINED FACILITY)

Asset # : 13109

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
Terminal Devices								
	Convactor/Radiator	95%	Now	\$2,100	2040	**	1	\$2,400
				<i>Damaged, Extent : Light, Area Affected : 10%</i>				
				<i>Location : 2nd Floor Officers Room</i>				
				<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>				
				<i>Location : Throughout</i>				
				<i>Explanation : Units Not Heating Properly controlled By Nypd</i>				
	Unit Heater - Steam	5%			2022	\$1,500	4	
Air Conditioning								
Energy Source								
	Electricity	100%			2043	**	1	
Conversion Equipment								
	Window/Wall Unit	90%			2020	\$15,600	1	
	Not Accessible	10%						
				<i>Other Observation, Extent : Light, Area Affected : 0%</i>				
				<i>Location : NYPD Facility</i>				
				<i>Explanation : Unit Maintained With NYPD Equipment</i>				
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2	\$11,600
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,000
Exhaust Fans								
	Interior	50%			2022	\$14,800	2	\$100
	Roof	50%			2027	\$6,900	2	\$100
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2037	**	1	
				<i>Recent Repair Evident, Extent : Light, Area Affected : 30%</i>				
				<i>Location : Kitchen</i>				
Water Heater								
	Electric	50%			2026	\$3,700	4	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : New 120 Gallon Unit</i>				
	Electric	50%			2020	\$3,700	4	
				<i>On Extended Life, Extent : Light, Area Affected : 50%</i>				
				<i>Location : Basement</i>				
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : 1 Of 2 120 Gallon Heater</i>				

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FIRE DEPARTMENT - 057
ENGINE CO. 216/LADDER CO. 108 (COMBINED FACILITY)

Asset # : 13109

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
Sanitary Piping								
	Cast Iron	80%			LIFE	**	1	
	Cast Iron	20%	Now	\$6,100	LIFE	**	1	
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Explanation : System Backs Up And Floods During Severe Rain</i>								
Storm Drain Piping								
	Cast Iron	90%			LIFE	**	1	
	Cast Iron	10%	Now	\$900	LIFE	**	1	
<i>Blockage /Clogged, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Severe Flooding On Main Floor In Rig Area</i>								
Sump Pump(s)								
	Non-Submersible	100%			2027	\$1,300	4	\$300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Heavy Duty Duplex Pumps</i>								
Backflow Preventer								
	Not Accessible	100%						
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Basement</i>								
<i>Explanation : Signage For Connection Is Present / Could Not Locate Valve</i>								
Fixtures								
	Generic	100%						
Fire Suppression								
Sprinkler								
	No Component	80%						
	Generic	20%			2047	**	1-2	\$500
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Only Basement Has Automatic Sprinkler Coverage</i>								
Chemical System								
	Wet	10%			2025	\$200	1-3	\$500
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen Hood</i>								
<i>Explanation : Hood System</i>								
	No Component	90%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 217
Address : 940 DEKALB AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.217 / 13110 **Yr Built/Renovated** : 1908 / 2002
Area Sq Ft : 5,298 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Mar-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 1601 **Lot** : 23 **BIN** : 3043215

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$241,600	
Electrical		\$7,700
Total	\$241,600	\$7,700
Importance Code A	\$241,600	
Importance Code B		\$7,700
Total	\$241,600	\$7,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$6,100			\$7,800
Interior Architecture	\$11,800	\$3,100		
Electrical				\$5,400
Mechanical	\$4,000	\$700	\$1,400	\$5,400
Total	\$21,900	\$3,900	\$1,500	\$18,600
Importance Code A	\$6,600	\$500	\$500	\$8,300
Importance Code B	\$5,500	\$3,400	\$900	\$10,200
Importance Code C	\$9,800			
Total	\$21,900	\$3,900	\$1,500	\$18,600



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FIRE DEPARTMENT - 057
ENGINE CO. 217
Asset # : 13110

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2047	**	10	\$400	
Masonry: Brick	70%	Now	\$202,300	LIFE	**	5	\$16,800	1
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Both Side Elevations</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear And Side Walls</i>								
Masonry: Granite	2%			LIFE	**	5	\$400	
Masonry: Limestone	15%	Now	\$39,300	LIFE	**	5	\$2,700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	8%			2032	**	5	\$9,600	
Windows								
Aluminum	100%			2043	**	5	\$600	
Parapets								
Masonry: Brick	60%			LIFE	**	5	\$1,100	
Metal Panel	25%			2047	**	5	\$1,800	
Slate	15%	Now	\$6,100	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Lower Roof Coping Stones</i>								
Roof								
Modified Bitumen	30%			2032	**	10	\$2,100	
Roll Roofing	68%			2023		5	\$8,000	
Skylight, Metal/Glass	2%			2053	**	10	\$500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$9,200	
Quarry Tile	10%			2040	**	5	\$1,300	
Sheet Vinyl/Rubber	40%			2035	**	5	\$5,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Recent Replace Evident</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 217
Asset # : 13110

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	10%	Now	\$300	2030	**	5	\$300	
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 1%</i>								
<i>Location : Bathroom On 3rd Floor</i>								
Concrete Masonry Unit	10%			LIFE	**	5	\$200	
Masonry: Brick	30%	Now	\$3,500	LIFE	**			
<i>Paint Peeling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Basement</i>								
Plaster	25%			LIFE	**	5	\$500	
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Hall / Staircase And Hose Tower</i>								
SGFT/Glazed Masonry	25%	Now	\$5,900	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Ceilings								
AcousTileSusp.Lay-In	30%	Now	\$2,000	2040	**	5	\$1,300	
<i>Water Penetration, Extent : Light, Area Affected : 15%</i>								
<i>Location : 2nd Floor Office And Kitchen</i>								
Embossed Metal	50%			LIFE	**	5	\$1,900	
Gypsum Board	20%			LIFE	**	5	\$2,100	
Site Enclosure								
Fence/Gates								
Chain link	100%			2047	**			
Site Pavements								
Parking/Driveway								
Cast in Place Concrete	100%			2040	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2047	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 400 Amperes Main Disconnect Switch, 250a Fuses</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2047	**	5	\$100	
Raceway								
Conduit	20%			2027	\$6,300	1		
Conduit	80%			2047	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 217
Asset # : 13110

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Fused Disc Sw	5%			2026	\$1,900	5		
Molded Case Bkrs	75%			2043	**	5	\$100	
Molded Case Bkrs	20%			2026	\$7,700	5		
Wiring								
Thermoplastic	80%			2047	**	1		
Thermoplastic	20%			2027	\$5,500	1		
Motor Controllers								
Locally Mounted	100%			2025	\$14,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	50%			2032	**	10	\$2,400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement And 1st Floor</i>						
		<i>Explanation : T8 Lamps</i>						
Fluorescent	45%			2032	**	10	\$2,200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 2nd And 3rd Floor</i>						
		<i>Explanation : T5 Lamps - Compact Fluorescent</i>						
Incandescent	5%			2032	**	2		
Egress Lighting								
Emergency, Battery	50%			2032	**	10	\$600	
No Component	50%							
Exterior Lighting								
HID	100%			2032	**	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2037	**	1		
Conversion Equipment								
Steam Boiler	100%			2032	**	1	\$5,300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit</i>						
Distribution								
Central Plant Steam Piping/Pmp	100%			2037	**	4	\$300	

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FIRE DEPARTMENT - 057
ENGINE CO. 217
Asset # : 13110

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Convactor/Radiator	100%			2032	**	1	\$1,700	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Entrance</i>								
<i>Explanation : Radiator Under Sized, Gets Cold</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	20%			2032	**	2	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Under Sized</i>								
Split Unit	15%			2032	**			
Window/Wall Unit	45%	0-2	\$1,400	2022	\$4,600	1		
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Various Locations</i>								
<i>Explanation : Aging Units</i>								
No Component	20%							
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2	\$1,400	
No Component	80%							
Ventilation								
Distribution								
Not Accessible	100%							
Exhaust Fans								
Interior	10%	0-2	\$1,800	2037	**	2		
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Ladies Room</i>								
Roof	15%			2027	\$1,200	2		
Wall Unit	10%			2027	\$200	2		
No Component	65%							
Plumbing								
H/C Water Piping								
Brass/Copper	30%			2053	**	1		
<i>Not Insulated, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Galvanized Steel	70%			2032	**	1		
Water Heater								
Gas Fired	100%			2025	\$3,000	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units / 74 Gallons</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 217
Asset # : 13110

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component	% of	Fail Date	Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost
Type	Total	(Years)			FY		(Yrs)	
Plumbing								
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2021	\$200	4	\$100
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	Wet	10%			2025	\$200	1-3	\$500
	No Component	90%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 218
Address : 650 HART STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.218 / 13111 **Yr Built/Renovated** : 1887 / 2001
Area Sq Ft : 3,630 **Project Type** : FIRE DEPARTMENT
Date of Survey : 18-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3228 **Lot** : 13 **BIN** : 3073407

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$59,800	
Mechanical		\$51,700
Total	\$59,800	\$51,700
Importance Code A	\$59,800	
Importance Code B		\$51,700
Total	\$59,800	\$51,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$1,500	\$500		\$1,800
Interior Architecture	\$21,700	\$400	\$100	\$500
Electrical	\$1,400	\$400	\$1,800	\$300
Mechanical	\$5,500	\$500	\$500	\$4,000
Site Enclosure	\$11,200			
Total	\$41,300	\$1,700	\$2,500	\$6,700
Importance Code A	\$1,900	\$900	\$300	\$2,200
Importance Code B	\$13,900	\$800	\$2,200	\$4,500
Importance Code C	\$25,600			
Total	\$41,300	\$1,700	\$2,500	\$6,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 218
Asset # : 13111

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	90%	Now	\$59,800	LIFE	**	5	\$6,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	10%			2032	**	5	\$3,700	
Windows								
Aluminum	100%			2035	**	5	\$1,100	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$100	
Masonry: Brick	85%	Now	\$700	LIFE	**	5	\$100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Slate	5%	4+	\$800	LIFE	**	5		
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Front Of Building</i>								
Roof								
Modified Bitumen	100%			2027	\$32,700	10	\$5,600	
Interior								
Floors								
Carpet	5%			2023	\$3,700	3	\$400	
Cast in Place Concrete	50%	Now	\$1,500	LIFE	**	5	\$6,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Cellar</i>								
Ceramic Tile	5%			2036	**	5	\$300	
Quarry Tile	5%			2040	**	5	\$400	
Vinyl Tile	35%	4+	\$1,700	2027	\$17,400	3	\$800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor Bunk Room</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
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FIRE DEPARTMENT - 057
ENGINE CO. 218
Asset # : 13111

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Masonry: Brick	15%	Now	\$4,700	LIFE		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Cellar</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Cellar</i>								
Plaster	75%	Now	\$9,700	LIFE		**	5	\$1,800
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor At Rear Of Building</i>								
Wood	10%			LIFE		**	5	\$3,200
Ceilings								
AcousTileSusp.Lay-In	10%			2032		**	5	\$600
Embossed Metal	40%	Now	\$4,100	LIFE		**	5	\$1,100
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Steel	20%			LIFE		**		
Plaster	30%			LIFE		**	5	\$1,100
Site Enclosure								
Fence/Gates								
Chain link	100%			2037		**		
Free Standing Walls								
Masonry: Brick	100%	0-2	\$11,200	2037		**		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 15%</i>								
<i>Location : Top Of Wall</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Back Yard</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2032		**		
Parking/Driveway								
Cast in Place Concrete	100%			2032		**		

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2047		**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Amperes Main Disconnect Switch</i>								
Raceway								
Conduit	100%			2037		**	1	

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 218
Asset # : 13111

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Panelboards								
	Fused Disc Sw	10%			2035	**	5	
	Molded Case Bkrs	90%			2035	**	5	\$100
Wiring								
	Thermoplastic	100%			2037	**	1	
Motor Controllers								
	Locally Mounted	100%			2032	**	5	
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$100
Stand-by Power								
Transfer Switches								
	Automatic	100%			2040	**	1	\$1,100
Generators								
	Diesel	100%			2036	**	1	\$1,400
				<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Outside</i>				
				<i>Explanation : One 62 Kw</i>				
Batteries								
	Lead/Acid	100%			2021	\$1,500	5	\$100
Fuel Storage								
	Main Tank	100%			2055	**	5	\$100
				<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Outside</i>				
				<i>Explanation : One 50 Gallons</i>				
Lighting								
Interior Lighting								
	Fluorescent	95%			2027	\$9,300	10	\$3,200
				<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Throughout</i>				
				<i>Explanation : T8 Lamps</i>				
	Fluorescent	5%			2027	\$500	10	\$200
				<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Throughout</i>				
				<i>Explanation : T5 Lamps - Compact Fluorescent</i>				
Egress Lighting								
	Emergency, Service	50%			2027	\$900	1	
	No Component	50%						
Exterior Lighting								
	HID	100%			2032	**	10	
Alarm								
Fire/Smoke Detection								
	No Component	95%						
	Generic, Analog	5%	Now	\$1,100	2037	**	1-3	\$100
				<i>Devices Missing, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Throughout The Building</i>				

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FIRE DEPARTMENT - 057
ENGINE CO. 218
Asset # : 13111

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Electricity	10%			2047	**	1		
Natural Gas	90%			2047	**	1		
Conversion Equipment								
Hot Water Boiler	10%			2040	**	1	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Lounge</i>								
<i>Explanation : Underfloor Radiant Heat</i>								
Steam Boiler	90%			2040	**	1	\$3,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Hot Wtr Piping/Pump	10%			2043	**	4		
Central Plant Steam Piping/Pmp	90%			2027	\$51,700	4	\$200	
Terminal Devices								
Convactor/Radiator	100%			2032	**	1	\$1,200	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Rig Room</i>								
<i>Explanation : Insufficient Heat</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Window/Wall Unit	50%			2022	\$3,500	1		
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	25%			LIFE	**	2-5	\$500	
No Component	75%							
Exhaust Fans								
Interior	5%	Now	\$600	2037	**	2		
<i>Broken, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor Officers Bathroom</i>								
Interior	5%	Now	\$600	2037	**	2		
<i>Unit Inoperable, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Kitchen Hood Exhaust</i>								
Roof	15%			2027	\$800	2		
Wall Unit	20%			2027	\$200	2		
No Component	55%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2047	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 218
Asset # : 13111

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Water Heater Gas Fired	100%			2025	\$2,100	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 74 Gallons</i>								
Sanitary Piping								
	Cast Iron	85%			LIFE	**	1	
	Cast Iron	15%	Now	\$3,700	LIFE	**	1	
<i>Leak Evident, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Fixtures								
	Generic	100%						

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 219/LADDER CO. 105
Address : 494 DEAN STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.219 / 13112 **Yr Built/Renovated** : 1977 /
Area Sq Ft : 9,109 **Project Type** : FIRE DEPARTMENT
Date of Survey : 23-Mar-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1136 **Lot** : 11 **BIN** : 3027813

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$98,100	\$66,900
Interior Architecture		\$42,400
Total	\$98,100	\$109,200
Importance Code A	\$98,100	\$66,900
Importance Code B		\$42,400
Total	\$98,100	\$109,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$49,700	\$2,500		\$4,200
Interior Architecture	\$101,400	\$900		\$1,100
Electrical	\$5,400	\$2,500	\$700	\$11,700
Mechanical	\$8,800	\$18,700	\$2,100	\$900
Site Pavements	\$12,400			
Total	\$177,700	\$24,600	\$2,700	\$17,900
Importance Code A	\$52,600	\$2,900	\$500	\$4,700
Importance Code B	\$89,300	\$20,700	\$2,300	\$13,200
Importance Code C	\$35,900	\$900		
Total	\$177,700	\$24,600	\$2,700	\$17,900



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 219/LADDER CO. 105
Asset # : 13112

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	85%	0-2	\$98,100	LIFE	**	5	\$16,300	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : All Masonry Supporting Lintels</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : All Masonry Control Joints</i>								
<i>Spalling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Several Locations Along Rear And Side Facade</i>								
Metal Panel	5%			2037	**	5-10	\$6,600	
Wood	5%			2040	**	5	\$4,800	
Wood Overhead Doors	5%			2032	**	5	\$4,800	
Windows								
Aluminum	95%	0-2	\$11,300	2035	**	5	\$700	
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Side Yard Windows</i>								
Wood	5%	Now	\$2,000	2052	**	5	\$400	1
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Side Wall</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Side Wall</i>								
Parapets								
Metal Panel	5%			2037	**	5	\$100	
Metal Rail	45%			2044	**	5-10	\$4,800	
Pre-Cast Concrete	50%	2-4	\$1,100	LIFE	**	5	\$1,900	
<i>Miss/Damaged Copings, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Missing Portion Of Coping At All Elevations</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : All Coping Joints</i>								
Roof								
Asphalt Shingle	5%			2040	**	10	\$100	
Modified Bitumen	95%	0-2	\$33,400	2027	\$66,900			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Roof Penetrations And Pitch Pockets</i>								
<i>Ponding, Extent : Moderate, Area Affected : 33%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Roof Hatch</i>								

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 219/LADDER CO. 105
Asset # : 13112

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	45%	2-4	\$2,900	LIFE	**	5	\$12,300	
<i>Ponding, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	10%	0-2	\$12,100	2040	**	5	\$600	
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Bathroom-Shower Area Ponding Near Radiator And Leaking To Below</i>								
Quarry Tile	5%			2032	**	5	\$900	
Vinyl Tile	40%	Now	\$17,000	2027	\$42,400	3	\$1,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout 2nd Floor</i>								
Interior Walls								
Ceramic Tile	11%			2030	**	5	\$1,900	
Concrete Masonry Unit	30%	4+	\$2,300	LIFE	**	5	\$2,100	
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Staircase</i>								
<i>Explanation : Missing Handrail</i>								
Gypsum Board	6%			LIFE	**	5	\$600	
Plaster	18%			LIFE	**	5	\$900	
SGFT/Glazed Masonry	32%	2-4	\$21,200	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Kitchen</i>								
Wood	3%			LIFE	**	5	\$2,100	
Ceilings								
AcousTileConcealSpLn	30%	Now	\$30,200	2047	**	5	\$2,300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 33%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Metal Panel	5%	Now	\$10,400	LIFE	**	5	\$800	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor Toilet</i>								
Plaster	65%	Now	\$5,300	LIFE	**	5	\$5,100	
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Ceiling Has Been Removed Due To Leaks</i>								
Site Enclosure								
Fence/Gates								
Chain link	85%			2037	**			
Iron Picket	15%			2047	**			
Free Standing Walls								
Cast in Place Concrete	100%			2062	**			
Site Pavements								

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FIRE DEPARTMENT - 057
ENGINE CO. 219/LADDER CO. 105
Asset # : 13112

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Site Pavements								
Parking/Driveway								
Asphalt	50%	0-2	\$700	2040		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Side Yard Driveway</i>								
Cast in Place Concrete	50%	0-2	\$11,700	2047		**		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Building Front Entrance/ Driveway/ Sidewalk</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%	4+	\$2,400	2037		**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 250 Amp</i>								
Raceway								
Conduit	100%			2037		**	1	
Panelboards								
Molded Case Bkrs	100%			2035		**	5	\$200
Wiring								
Braided Cloth	20%			2026	\$5,500		1	
Thermoplastic	80%			2037		**	1	
Motor Controllers								
Locally Mounted	100%			2032		**	5	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Motorized Operator For 2 Overhead Doors</i>								
Ground								
Grounding Devices								
Generic	100%			LIFE		**	5	\$100
Stand-by Power								
Transfer Switches								
Automatic	100%			2032		**	1	\$2,800
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 60 Amperes</i>								
Generators								
Diesel	100%			2030		**	1	\$3,500
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 80 Kva</i>								
Batteries								
Lead/Acid	100%			2020	\$1,500		5	\$300

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FIRE DEPARTMENT - 057
ENGINE CO. 219/LADDER CO. 105

Asset # : 13112

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Fuel Storage Main Tank	100%			2042	**	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior - Side Yard</i>								
<i>Explanation : 275 Gallon</i>								
Lighting								
Interior Lighting Fluorescent	95%			2032	**	10	\$7,900	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	5%			2022	\$2,900	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Tv Room</i>								
<i>Explanation : Incandescent Lamps In Use</i>								
Exterior Lighting HID	100%			2027	\$34,300	10		
Alarm								
Fire/Smoke Detection No Component Generic, Analog	95%	5%	0-2	\$2,400	2027	\$4,700	1-3	\$300
<i>Devices Missing, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2047	**	1		
Conversion Equipment Hot Water Boiler	100%			2040	**	1	\$4,500	
Distribution Hot Wtr Piping/Pump	80%			2043	**	4	\$500	
Hot Wtr Piping/Pump	20%			2049	**	4	\$100	
<i>Recent Repair Evident, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Terminal Devices Convector/Radiator	70%			2040	**	1	\$2,100	
Unit Heater - Steam	30%			2032	**	4	\$400	
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Unit Heaters</i>								
Air Conditioning								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 219/LADDER CO. 105
Asset # : 13112

Mechanical		Current Repair			Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning									
Energy Source									
	Electricity	100%			2049	**	1		
Conversion Equipment									
	Window/Wall Unit	100%			2020	\$17,700	1		
<i>Obsolete Equipment, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Total House</i>									
Ventilation									
Distribution									
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,100	
<i>Needs Cleaning, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Total House</i>									
Exhaust Fans									
	Roof	90%			2035	**	2	\$300	
	Roof	10%	Now	\$1,400	2037	**	2		
<i>Damaged, Extent : Severe, Area Affected : 10%</i>									
<i>Location : Rooftop</i>									
Plumbing									
H/C Water Piping									
	Galvanized Steel	100%			2044	**	1		
Water Heater									
	Gas Fired	100%			2026	\$5,200	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Cellar</i>									
<i>Explanation : Two 75 Gallon Heaters</i>									
Sanitary Piping									
	Cast Iron	90%			LIFE	**	1		
	Cast Iron	10%	Now	\$6,200	LIFE	**	1		
<i>Leak Evident, Extent : Severe, Area Affected : 10%</i>									
<i>Location : 2nd Floor Bathroom</i>									
Storm Drain Piping									
	Cast Iron	100%			LIFE	**	1		
Sump Pump(s)									
	Submersible	100%			2021	\$300	4	\$200	
Backflow Preventer									
	No Component	90%							
	Generic	10%			2035	**	1	\$100	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>									
<i>Location : Cellar</i>									
<i>Explanation : Boiler Feed</i>									
Fixtures									
	Generic	100%							
Fire Suppression									

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 219/LADDER CO. 105

Asset # : 13112

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Sprinkler							
	No Component	40%						
	Generic	60%			2047	**	1-2	\$1,500
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement, Stair Tower And 2nd Floor</i>								
<i>Explanation : Fully Sprinkled</i>								
Chemical System	Wet	10%			2025	\$200	1-3	\$500
	No Component	90%						

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 22/LADDER 13/ BATTALION 10
Address : 159 EAST 85th STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.022 / 13016 **Yr Built/Renovated** : 1961 /
Area Sq Ft : 8,256 **Project Type** : FIRE DEPARTMENT
Date of Survey : 25-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1514 **Lot** : 27 **BIN** : 1047937

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$56,600	
Interior Architecture		\$49,100
Electrical		\$85,400
Mechanical		\$62,400
Total	\$56,600	\$196,900
Importance Code A	\$56,600	
Importance Code B		\$196,900
Total	\$56,600	\$196,900

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$49,000	\$12,200		
Interior Architecture	\$24,500	\$700	\$1,000	\$1,300
Electrical	\$18,000	\$1,100	\$2,800	\$5,200
Mechanical	\$29,600	\$1,400	\$3,300	\$25,600
Total	\$121,100	\$15,400	\$7,100	\$32,100
Importance Code A	\$49,400	\$12,600	\$400	\$400
Importance Code B	\$69,900	\$2,800	\$6,500	\$31,700
Importance Code C	\$1,800		\$300	
Total	\$121,100	\$15,400	\$7,100	\$32,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 22/LADDER 13/ BATTALION 10
Asset # : 13016

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	83%	4+	\$11,400	LIFE	**	5	\$18,900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Front Facade</i>								
Masonry: Limestone	10%	2-4	\$5,000	LIFE	**	5	\$1,700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Front Facade</i>								
Metal Sect. OHD	2%			2040	**	5	\$1,400	
Wood Overhead Doors	5%	Now	\$10,800	2040	**	5	\$2,800	
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Ohd Gets Stuck Upon Raising</i>								
<i>Explanation : Replace Door</i>								
Windows								
Aluminum	100%			2043	**	5	\$600	
Parapets								
Cast Stone/Terra Cotta	15%	2-4	\$3,300	LIFE	**	5	\$2,000	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Cast Stone Copings</i>								
Masonry: Brick	85%	2-4	\$17,200	LIFE	**	5	\$1,500	
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Spalling And Paint Peeling Throughout</i>								
Roof								
Modified Bitumen	5%	2-4	\$1,300	2032	**			
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Low Roof</i>								
Roll Roofing	95%			2020		5	\$22,900	
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$14,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	10%			2030	**	5	\$1,400	
Quarry Tile	5%			2032	**	5	\$1,100	
Vinyl Tile	40%			2027		3	\$2,200	
Interior Walls								
Cast in Place Concrete	5%			LIFE	**			
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Cellar And Stairwell To Cellar</i>								
Ceramic Tile	5%			2036	**	5	\$600	
Concrete Masonry Unit	5%			LIFE	**	5	\$200	
Plaster	40%	Now	\$1,800	LIFE	**	5	\$1,300	
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Over Window In Engine Office</i>								
SGFT/Glazed Masonry	45%			LIFE	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 22/LADDER 13/ BATTALION 10
Asset # : 13016

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

AcousTileSusp.Lay-In	10%			2032	**	5	\$1,400	
Exposed Concrete	30%			LIFE	**	5	\$700	
Plaster	60%	Now	\$22,700	LIFE	**	5	\$5,400	

Water Penetration, Extent : Severe, Area Affected : 20%

Location : 2nd Floor Dormitory And Front Offices

Site Enclosure

Fence/Gates

Chain link	100%			2047	**			
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Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2040	**			
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On-Site Walkways

Cast in Place Concrete	100%			2040	**			
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Electrical

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Not Accessible	100%							
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Raceway

Conduit	100%			2037	**	1		
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Panelboards

Molded Case Bkrs	100%			2035	**	5	\$200	
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Motor Controllers

Locally Mounted	100%	Now	\$1,400	2032	**	5		
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Not Functioning, Extent : Moderate, Area Affected : 100%

Location : 1st Floor

Other Observation, Extent : Moderate, Area Affected : 100%

Location : 1st Floor

Explanation : Operator For Apparatus Overhead Door Fails Must Use Manual Override

Ground

Grounding Devices

Not Accessible	100%							
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Stand-by Power

Transfer Switches

Automatic	100%			2040	**	1	\$2,500	
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Generators

Diesel	100%			2036	**	1	\$3,200	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Side Yard

Explanation : 40 Kw/ 50 Kva, 208/120 V, 3 Phase

Batteries

Lead/Acid	100%			2021	\$1,500	5	\$300	
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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 22/LADDER 13/ BATTALION 10
Asset # : 13016

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power Fuel Storage Day Tank	100%			2043	**	5	\$1,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Inside Emergency Generator Enclosure</i>								
<i>Explanation : 50 Gallon Sub- Base Day Tank</i>								
Lighting Interior Lighting Fluorescent	20%			2032	**	10	\$1,500	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Incandescent	5%			2022	\$2,600	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof, 3rd And 2nd Floors</i>								
<i>Explanation : Halogen And Incandescent Lighting Observed</i>								
LED	75%			2032	**			
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floors</i>								
Egress Lighting Emergency, Service Exit, LED	50%			2027	\$2,000	1		
	50%			2042	**	1		
Exterior Lighting HID	100%	0-2	\$15,600	2037	**			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Side Yard Facade</i>								
<i>Explanation : Wall Mounted</i>								
Alarm Fire/Smoke Detection Generic, Analog	100%			2027	\$85,400	1-3	\$5,100	

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating Energy Source Natural Gas	100%			2057	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Gas Service Replaced During Inspection</i>								
Conversion Equipment Hot Water Boiler	100%			2040	**	1	\$4,100	
Distribution Hot Wtr Piping/Pump	100%			2035	**	4	\$600	
Terminal Devices Convactor/Radiator	90%			2032	**	1	\$2,400	
Unit Heater - Steam	10%			2027	\$2,800	4	\$100	

Air Conditioning

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FIRE DEPARTMENT - 057
ENGINE CO. 22/LADDER 13/ BATTALION 10
Asset # : 13016

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Energy Source								
	Electricity	100%			2043	**	1	
Conversion Equipment								
	Exterior Pkg Unit - Cooling	15%	2-4	\$9,400	2037	**	2	\$100
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Lower Roof</i>						
		<i>Explanation : Serves Kitchen Area</i>						
	Exterior Pkg Unit - Cooling	30%	2-4	\$18,800	2037	**	2	\$100
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : Split Unit Serves 2nd Floor</i>						
	Window/Wall Unit	40%			2022	\$6,400	1	
	No Component	15%						
Distribution								
	Ductwork/Diffusers	65%			LIFE	**	2	\$7,000
	No Component	35%						
Terminal Devices								
	Fan Coil - 2 Pipe	50%			2027	\$62,400	1	\$1,300
	No Component	50%						
Heat Rejection								
	Dry Cooler	50%			2022	\$17,800	2	\$2,900
	No Component	50%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,600
Exhaust Fans								
	Roof	95%			2027	\$12,200	2	\$200
	Wall Unit	5%			2027	\$100	2	
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2037	**	1	
Water Heater								
	Gas Fired	100%			2025	\$4,700	2	\$100
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 - 75 Gallon Units</i>						
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2019	\$300	4	\$300
Fixtures								
	Generic	100%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 220/LADDER CO. 122
Address : 530 11th STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSLAD.122 / 13224 **Yr Built/Renovated** : 1865 / 1988
Area Sq Ft : 4,508 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Apr-2013 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 1096 **Lot** : 25 **BIN** : 3026278

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$165,800	
Total	\$165,800	
Importance Code A	\$165,800	
Total	\$165,800	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$11,400	\$400		\$600
Interior Architecture	\$29,000			\$700
Electrical	\$3,800			\$14,400
Mechanical	\$26,600	\$1,100	\$2,500	\$1,100
Site Enclosure	\$13,800			
Total	\$84,700	\$1,500	\$2,500	\$16,900
Importance Code A	\$21,200	\$600	\$200	\$800
Importance Code B	\$63,500	\$900	\$2,300	\$15,800
Importance Code C				\$200
Total	\$84,700	\$1,500	\$2,500	\$16,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 220/LADDER CO. 122
Asset # : 13224

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast in Place Concrete	5%			LIFE	**	5	\$4,700	
Masonry: Brick	35%	Now	\$39,900	LIFE	**	5	\$6,600	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Back Facade</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Back Facade</i>								
Masonry: Limestone	55%	0-2	\$125,900	LIFE	**	5	\$7,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Wood Overhead Doors	5%			2029	**	5	\$4,700	
Windows								
Aluminum	100%			2040	**	5	\$700	
Parapets								
Masonry: Brick	55%			LIFE	**	5	\$500	
Masonry: Limestone	20%			LIFE	**	5	\$200	
Metal Rail	10%			2037	**	5-10	\$1,600	
Pre-Cast Concrete	10%			LIFE	**	5	\$500	
Slate	5%	0-2	\$1,500	LIFE	**	5		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2 Story Roof</i>								
Roof								
Roll Roofing	90%	Now	\$4,700	2023	\$23,500	5	\$4,700	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : 3rd Floor Roof At Front Of Building</i>								
Skylight, Plastic	10%	0-2	\$2,900	2029	**	1		
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Engine Company Side</i>								
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 220/LADDER CO. 122
Asset # : 13224

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	40%	4+	\$1,400	LIFE	**	5	\$5,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Ceramic Tile	5%			2027	\$6,500	5	\$300	
Quarry Tile	5%			2029	**	5	\$500	
Vinyl Tile	40%	0-2	\$2,300	2029	**	3	\$1,000	
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Wood	10%	Now	\$22,200	2064	**	5	\$600	
<i>Deteriorated Finish, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Engine Company Side</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Engine Company Side</i>								
<i>Split/Cracked, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Engine Company Side</i>								
Interior Walls								
Cast in Place Concrete	5%			LIFE	**			
Ceramic Tile	5%			2027	\$12,800	5	\$500	
Concrete Masonry Unit	5%			LIFE	**	5	\$200	
Gypsum Board	31%			LIFE	**	5	\$1,700	
Masonry: Brick	5%			LIFE	**			
Granite Panels	3%			LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Plaster	31%			LIFE	**	5	\$900	
SGFT/Glazed Masonry	15%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	15%	Now	\$1,600	2037	**	5	\$500	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Basement Gymnasium</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 3rd Floor - Engine Company Side</i>								
Embossed Metal	10%	4+	\$1,200	LIFE	**	5	\$300	
<i>Paint Peeling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
Exposed Struc: Steel	15%			LIFE	**			
Gypsum Board	30%			LIFE	**	5	\$2,500	
Plaster	30%			LIFE	**	5	\$1,300	
Site Enclosure								

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FIRE DEPARTMENT - 057
ENGINE CO. 220/LADDER CO. 122
Asset # : 13224

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Site Enclosure								
Retaining Walls								
Masonry: Brick	100%	Now	\$13,800	2044		**		
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout.</i>								
<i>Spalling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2029		**		
On-Site Walkways								
Cast in Place Concrete	100%			2029		**		
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2034		**	5	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 600 Amperes Main Disconnect Switch Serving Both Engine Co. And Ladder Co.</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2034		**	5	
Raceway								
Conduit	30%			2034		**	1	
Conduit	70%			2024	\$21,900		1	
Panelboards								
Fused Disc Sw	10%			2023	\$3,800		5	
Molded Case Bkrs	90%			2023	\$34,600		5	\$100
Wiring								
Thermoplastic	30%			2034		**	1	
Thermoplastic	70%			2024	\$19,400		1	
Motor Controllers								
Locally Mounted	100%			2022	\$14,400		5	
Ground								
Grounding Devices								
Generic	100%			LIFE		**	5	\$100
Lighting								
Interior Lighting								
Fluorescent	100%			2024	\$12,200		10	\$4,100
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-8 Lamps</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 220/LADDER CO. 122
Asset # : 13224

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Egress Lighting								
Emergency, Battery	50%			2019	\$3,000	10	\$500	
Exit, Service	50%			2019	\$300	1		
Exterior Lighting								
HID	100%			2024	\$17,000	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source								
Natural Gas	100%			2044	**	1		
Conversion Equipment								
Hot Water Boiler	100%	0-2	\$9,700	2041	**	1	\$2,000	
			<i>Malfunctioning, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Heating Controls</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 Boilers Piped With Manifold</i>					
Distribution								
Hot Wtr Piping/Pump	100%			2040	**	4	\$300	
Terminal Devices								
Air Handler	10%			2029	**	1	\$300	
Convactor/Radiator	80%			2037	**	1	\$1,200	
Unit Heater - Steam	10%			2024	\$1,500	4	\$100	

Air Conditioning

Energy Source								
Electricity	100%			2040	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	90%	0-2	\$14,200	2032	**	2	\$200	
			<i>Malfunctioning, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Roof</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Roof</i>					
			<i>Explanation : Engine Side - 2 Roof Units / 1 Unit In Courtyard ladder Side - 2 Units</i>					
Window/Wall Unit	10%			2019	\$900	1		
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$5,900	

Ventilation

Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$2,500	
Exhaust Fans								
Roof	100%			2029	**	2	\$100	

Plumbing

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FIRE DEPARTMENT - 057
ENGINE CO. 220/LADDER CO. 122
Asset # : 13224

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
H/C Water Piping Brass/Copper	100%			2044	**	1		
HW Heat Exchanger Steam Fired	100%			2044	**	4	\$700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 180 Gallon Storage Tank</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%	Now	\$400	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Roof Drain, Second Floor</i>								
Sump Pump(s) Submersible	100%			2019	\$100	4	\$100	
Backflow Preventer No Component Generic	50%			2024	\$500	1	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : One Unit</i>								
Fixtures								
Generic	100%							
Fire Suppression								
Standpipe Generic	100%			2044	**	1-5	\$2,300	
Sprinkler Generic	100%			2044	**	1-2	\$1,300	
<i>No Backflow Preventer, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Main Service Entrance</i>								
Chemical System								
Dry	10%			2022	\$200	1-3	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Ansul-102</i>								
No Component Generic	80%			2022	\$200	1-3	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 221/LADDER CO. 104
Address : 161 SOUTH SECOND STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.221 / 13114 **Yr Built/Renovated** : 1932 / 2007
Area Sq Ft : 6,128 **Project Type** : FIRE DEPARTMENT
Date of Survey : 19-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2406 **Lot** : 35 **BIN** : 3062972

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$189,800	
Interior Architecture	\$92,400	
Total	\$282,200	
Importance Code A	\$189,800	
Importance Code B	\$92,400	
Total	\$282,200	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$5,000	\$4,200		
Interior Architecture	\$10,000	\$800	\$1,300	
Electrical	\$100	\$100	\$100	\$5,400
Mechanical	\$10,100	\$1,100	\$1,100	\$5,600
Site Pavements	\$2,100			
Total	\$27,400	\$6,100	\$2,400	\$11,000
Importance Code A	\$5,600	\$4,800	\$600	\$600
Importance Code B	\$17,600	\$1,300	\$700	\$10,400
Importance Code C	\$4,100		\$1,100	
Total	\$27,400	\$6,100	\$2,400	\$11,000



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FIRE DEPARTMENT - 057
ENGINE CO. 221/LADDER CO. 104
Asset # : 13114

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	4+	\$50,300	LIFE	**	5	\$16,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Rear And Side Facades</i>								
Masonry: Granite	2%			LIFE	**	5	\$300	
Masonry: Limestone	10%	2-4	\$4,600	LIFE	**	5	\$1,600	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Front Facade</i>								
Wood Overhead Doors	8%			2040	**	5	\$8,400	
Windows								
Aluminum	100%			2043	**	5	\$1,200	
Parapets								
Masonry: Brick	75%	0-2	\$49,200	LIFE	**	5	\$1,700	1
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Front Of Building</i>								
<i>Spalling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%	Now	\$500	LIFE	**	5	\$300	1
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Front Facade</i>								
Slate	15%	Now	\$38,500	LIFE	**	5	\$300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout Side And Rear Elevations</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Roof								
Modified Bitumen	98%	0-2	\$51,800	2037	**			
<i>Patching Evident, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Front Of Building By Drain</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front Of Building By Drain</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	2%			2037	**	10	\$600	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 221/LADDER CO. 104

Asset # : 13114

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$42,900	LIFE	**	5	\$9,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout Steel Columns And Beams In Basement Are Shoring Up</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Room</i>								
<i>Explanation : Steel Columns And Beams In Basement Are Shoring Up Floor</i>								
Ceramic Tile	5%			2036	**	5	\$500	
Quarry Tile	5%	4+	\$2,600	2047	**	5	\$300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 15%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	45%			2032	**	3	\$1,500	
Interior Walls								
Cast in Place Concrete	30%			LIFE	**			
Ceramic Tile	15%			2036	**	5	\$2,100	
Masonry: Brick	20%			LIFE	**			
Plaster	35%	Now	\$2,000	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Roof Access, Wall Near Entrance, 2nd Floor Miscellaneous Areas</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Roof Access, Second Floor</i>								
Ceilings								
AcousTileSusp.Lay-In	5%			2040	**	5	\$500	
Exposed Concrete	15%	Now	\$49,500	LIFE	**	5	\$200	
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Cellar Under Apparatus Floor</i>								
<i>Spalling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Cellar Under Apparatus Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Structurally Insufficient And Supported By Temporary Steel Columns</i>								
Plaster	80%	Now	\$5,400	LIFE	**	5	\$5,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Office At Front Of Building</i>								
Site Enclosure								
Fence/Gates								
Chain link	97%			2047	**			
Iron Picket	3%			2062	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2040	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 221/LADDER CO. 104
Asset # : 13114

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

Parking/Driveway

Cast in Place Concrete	100%	Now	\$2,100	2047	**			
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 30%**Location : Front Of Driveway*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2047	**	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 400 Amperes*

Raceway

Conduit	50%			2047	**	1		
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Conduit	50%			2037	**	1		
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Panelboards

Fused Disc Sw	20%			2043	**	5		
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Molded Case Bkrs	50%			2035	**	5	\$100	
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Molded Case Bkrs	30%			2043	**	5		
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Wiring

Thermoplastic	100%			2047	**	1		
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Motor Controllers

Locally Mounted	100%			2040	**	5		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Basement**Explanation : The Is No Ground Wire Jumper For The Water Meter.*

Lighting

Interior Lighting

Fluorescent	95%			2032	**	10	\$5,300	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Throughout Firehouse.**Explanation : T8 Lamps*

Incandescent	5%			2032	**	2		
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Egress Lighting

Exit, Service	100%			2027	\$700	1		
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Exterior Lighting

HID	100%			2032	**	10		
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Alarm

Security System

No Component	80%							
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Generic	20%			2032	**	1	\$500	
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FIRE DEPARTMENT - 057
ENGINE CO. 221/LADDER CO. 104
Asset # : 13114

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Fire/Smoke Detection

No Component

95%

Generic, Digital

5%

2027

\$3,200

1-3

\$200

*Local/Battery Operated Detect, Extent : Light, Area Affected : 100%**Location : Various Locations Around Building*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2047

* *

1

Conversion Equipment

Steam Boiler

100%

2040

* *

1

\$6,100

*Recent Replace Evident, Extent : Light, Area Affected : 100%**Location : Basement*

Distribution

Central Plant Steam

100%

2037

* *

4

\$300

Piping/Pmp

Terminal Devices

Convactor/Radiator

90% Now

\$2,800

2032

* *

1

\$1,600

*Other Observation, Extent : Moderate, Area Affected : 10%**Location : Throughout**Explanation : Radiator Valves Need Replacement - Several Radiators Removed*

Unit Heater - Steam

10%

2027

\$2,000

4

\$100

Air Conditioning

Energy Source

Electricity

100%

2043

* *

1

Conversion Equipment

Split Unit

40%

2032

* *

Window/Wall Unit

40% Now

\$1,000

2022

\$4,800

1

*Broken, Extent : Moderate, Area Affected : 50%**Location : 2nd Floor Officers Office*

No Component

20%

Ventilation

Distribution

Ductwork/Diffusers

20% Now

\$2,100

LIFE

* *

2-5

\$700

*Damaged, Extent : Severe, Area Affected : 50%**Location : Kitchen Hood Duct**Other Observation, Extent : Severe, Area Affected : 100%**Location : Kitchen Hood**Explanation : Replace Wrong Installation Of Kitchen Hood And Associated Ducts. Grease**Leaks From Duct*

No Component

80%

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FIRE DEPARTMENT - 057
ENGINE CO. 221/LADDER CO. 104
Asset # : 13114

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
	Exhaust Fans							
	Roof	30%			2032	**	2	\$100
	Wall Unit	20%	Now		2027	\$400	2	
				<i>Malfunctioning, Extent : Light, Area Affected : 50%</i>				
				<i>Location : Apparatus Floor, Defective Exhaust Fan</i>				
	No Component	50%						
Plumbing								
	H/C Water Piping							
	Brass/Copper	10%			2047	**	1	
				<i>Not Insulated, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Other Observation, Extent : Light, Area Affected : 5%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : No Dielectric Fittings</i>				
	Galvanized Steel	90%			2032	**	1	
	Water Heater							
	Gas Fired	100%			2025	\$3,500	2	\$100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : 2 Units @ 74 Gallons Each booster Pump</i>				
	Sanitary Piping							
	Cast Iron	100%	Now	\$2,100	LIFE	**	1	
				<i>Leak Evident, Extent : Light, Area Affected : 10%</i>				
				<i>Location : Basement</i>				
	Storm Drain Piping							
	Cast Iron	70%	Now	\$800	LIFE	**	1	
				<i>Leak Evident, Extent : Light, Area Affected : 10%</i>				
				<i>Location : South East Corner Of Second Floor, Probable Roof Drain Pipe Leak</i>				
	Cast Iron	30%	Now	\$700	LIFE	**	1	
				<i>Blockage /Clogged, Extent : Severe, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
	Sump Pump(s)							
	Submersible	100%			2020	\$200	4	\$200
				<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : Inadequate</i>				
	Fixtures							
	Generic	100%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 222/BATTALION 37/ COMBINED FACILITY
Address : 32 RALPH AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.222 / 13115 **Yr Built/Renovated** : 1973 /
Area Sq Ft : 9,206 **Project Type** : FIRE DEPARTMENT
Date of Survey : 18-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 1633 **Lot** : 39 **BIN** : 3044596

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$89,900	
Interior Architecture		\$35,100
Mechanical		\$200,300
Total	\$89,900	\$235,400
Importance Code A	\$89,900	
Importance Code B		\$235,400
Total	\$89,900	\$235,400

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$33,400			\$12,200
Interior Architecture	\$11,900	\$1,400		\$2,900
Electrical	\$500	\$200		\$17,700
Mechanical	\$10,200	\$1,700	\$39,800	\$9,900
Total	\$55,900	\$3,300	\$39,800	\$42,800
Importance Code A	\$33,800	\$500	\$500	\$12,700
Importance Code B	\$19,100	\$2,100	\$39,400	\$30,100
Importance Code C	\$2,900	\$700		
Total	\$55,900	\$3,300	\$39,800	\$42,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 222/BATTALION 37/ COMBINED FACILITY

Asset # : 13115

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	50%	Now	\$31,800	LIFE	**	5	\$5,300	1
<i>Expansion Jnt Failure, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Rear Brick Facade At Relieving Angle At Parapet</i>								
Metal Sect. OHD	10%			2032	**	5	\$3,300	
Pre-Cast Concrete	40%			LIFE	**	5	\$13,700	
Windows								
Aluminum	90%	Now	\$41,700	2052	**	5	\$500	
<i>Air Infiltration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Window Lintels At Multiple Unit Windows</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Aluminum	10%			2043	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Front</i>								
<i>Explanation : (2) New Windows At Battalion Chief Office</i>								
Parapets								
Masonry: Brick	70%			LIFE	**	5	\$800	
Metal: Cage/Fence	10%	Now	\$700	2032	**	5	\$400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Side Parapet Near Front</i>								
Pre-Cast Concrete	20%	2-4	\$800	LIFE	**	5	\$1,500	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Roof								
Built-Up (BUR)	100%			2022		10	\$10,500	
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$13,600	
Ceramic Tile	10%			2030	**	5	\$1,400	
Terrazzo	15%	4+	\$1,900	LIFE	**	5	\$1,600	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Stairwell</i>								
Vinyl Tile	30%	2-4	\$7,000	2027	\$35,100	3	\$1,600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor Lockers And Weight Room</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 40%</i>								
<i>Location : Throughout 2nd Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 222/BATTALION 37/ COMBINED FACILITY
Asset # : 13115

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	10%			2030	**	5	\$1,500	
Gypsum Board	10%			LIFE	**	5	\$900	
Plaster	25%	Now	\$2,900	LIFE	**	5	\$1,100	
<i>Spalling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor Weight Room, Corridor By Suana</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor Weight Room</i>								
Plywood/Hardboard	5%			LIFE	**			
SGFT/Glazed Masonry	50%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	45%			2032	**	5	\$4,800	
Exposed Concrete	40%			LIFE	**	5	\$700	
Gypsum Board	5%			LIFE	**	5	\$700	
Plaster	10%			LIFE	**	5	\$700	
<i>Paint Peeling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Site Enclosure								
Free Standing Walls								
Masonry: Brick	100%			2037	**			
Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Not Accessible	100%							
Raceway								
Conduit	100%			2027	\$31,300	1		
Panelboards								
Molded Case Bkrs	100%			2035	**	5	\$200	
Wiring								
Thermoplastic	100%			2037	**	1		
Motor Controllers								
Locally Mounted	100%			2025	\$14,400	5	\$100	
Ground								
Grounding Devices								
Not Accessible	100%							
Stand-by Power								
Transfer Switches								
Not Accessible	100%							
Generators								
Not Accessible	100%							
Batteries								
Not Accessible	100%							

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FIRE DEPARTMENT - 057
ENGINE CO. 222/BATTALION 37/ COMBINED FACILITY
Asset # : 13115

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Stand-by Power								
Fuel Storage								
Not Accessible	100%							
Lighting								
Interior Lighting								
Fluorescent	95%			2027	\$23,700	10	\$8,000	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	5%			2022	\$2,900	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : In Office</i>								
<i>Explanation : Downlights</i>								
Egress Lighting								
Emergency, Service	50%			2027	\$2,300	1		
Exit, Service	50%			2027	\$500	1		
Exterior Lighting								
HID	50%			2027	\$17,400	10		
Incandescent	50%			2022	\$14,700	2		
Alarm								
Security System								
Not Accessible	100%							
Fire/Smoke Detection								
No Component	95%							
Generic, Digital	5%	0-2	\$500	2037	**	1-3	\$300	
<i>Devices Damaged, Extent : Light, Area Affected : 50%</i>								
<i>Location : Through Out The Building</i>								
<i>Devices Missing, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout Building</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout Building</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Located In Basement Of N Y P D Area</i>								
Conversion Equipment								
Hot Water Boiler	100%			2040	**	1	\$4,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Located In Basement Of N Y P D Area</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 222/BATTALION 37/ COMBINED FACILITY
Asset # : 13115

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Distribution								
Hot Wtr Piping/Pump	100%			2043	**	4	\$700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Piping Comes From Basement Of N Y P D Area</i>								
Terminal Devices								
Convactor/Radiator	95%	Now	\$900	2040	**	1	\$2,500	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Entire House</i>								
<i>Explanation : Firehouse Side Of System Has Comfort Control Issues</i>								
Unit Heater - Steam	5%			2027		4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Penthouse</i>								
<i>Explanation : Located In Penthouse Above N Y P D Area</i>								
Conversion Equipment								
Reciprocating Compr/Chiller	50%			2027	\$36,500	1	\$2,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Penthouse</i>								
<i>Explanation : Located In Penthouse Above N Y P D Area</i>								
Split Unit	10%			2032	**			
Window/Wall Unit	40%			2022	\$7,200	1		
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$12,000	
Terminal Devices								
Fan Coil - 2 Pipe	100%	Now	\$3,300	2027	\$163,800	1	\$2,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Penthouse</i>								
<i>Explanation : Located In Penthouse Above N Y P D Area / Firehouse Area Has Comfort Control Issues</i>								
Heat Rejection								
Water Cooling Tower	100%			2021	\$32,700	2	\$9,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Maintained By NYPD</i>								
<i>Explanation : NYPD</i>								
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,100	

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FIRE DEPARTMENT - 057
ENGINE CO. 222/BATTALION 37/ COMBINED FACILITY

Asset # : 13115

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
Exhaust Fans								
	Interior	50%			2027	\$15,300	2	\$100
	Roof	40%	4+	\$600	2027	\$5,700	2	\$100
<i>Dented, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof Kitchen Fan</i>								
	Roof	10%	Now	\$1,400	2037	**	2	
<i>Abandoned in Place, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof</i>								
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2047	**	1	
Water Heater								
	Electric	100%			2025	\$7,600	4	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : 2 - 120 Gallon Units</i>								
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%	Now	\$900	LIFE	**	1	
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Rear Yard</i>								
Backflow Preventer								
	Generic	100%			2032	**	1	\$600
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Located In Basement Of N Y P D Area</i>								
Fixtures								
	Generic	100%						
Fire Suppression								
Standpipe								
	Generic	100%			2047	**	1-5	\$4,600
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Stair</i>								
<i>Explanation : Connections At 1st And 2nd Floors</i>								
Chemical System								
	Wet	10%			2025	\$200	1-3	\$500
	No Component	90%						

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Print Date : 13-Oct-2017 **FIRE DEPARTMENT - FY 2018**

Asset Name : ENGINE CO. 224
Address : 274 HICKS STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.224 / 13116 **Yr Built/Renovated** : 1903 /
Area Sq Ft : 5,328 **Project Type** : FIRE DEPARTMENT
Date of Survey : 20-Apr-2016 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 260 **Lot** : 36 **BIN** : 3002336

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$39,500	\$600		\$5,700
Interior Architecture	\$60,800	\$1,000	\$300	\$300
Electrical	\$4,500		\$100	\$27,800
Mechanical	\$6,700	\$700	\$1,000	\$12,100
Total	\$111,500	\$2,400	\$1,300	\$45,900
Importance Code A	\$40,100	\$1,200	\$500	\$6,200
Importance Code B	\$68,500	\$700	\$800	\$39,700
Importance Code C	\$2,900	\$600		
Total	\$111,500	\$2,400	\$1,300	\$45,900



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FIRE DEPARTMENT - 057
ENGINE CO. 224
Asset # : 13116

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	60%	0-2	\$26,300	LIFE	**	5	\$16,000	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Cellar</i>								
Masonry: Granite	5%	4+	\$3,500	LIFE	**	5	\$1,000	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%	4+	\$7,000	LIFE	**	5	\$2,000	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	20%			LIFE	**	5	\$4,000	
Wood Overhead Doors	5%			2032	**	5	\$6,700	
Windows								
Aluminum	100%			2035	**	5	\$1,300	
Parapets								
Masonry: Brick	85%	4+	\$2,400	LIFE	**	5	\$1,900	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Pre-Cast Concrete	15%	4+	\$300	LIFE	**	5	\$2,100	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Roof								
Copper/Terne	15%			2042	**	10	\$2,300	
Modified Bitumen	80%			2027	\$31,500	10	\$5,000	
Skylight, Metal/Glass	5%			2047	**	10	\$1,000	
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$23,600	LIFE	**	5	\$7,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Slab Is Structurally Insufficient To Carry Current Loads</i>								
Ceramic Tile	10%			2030	**	5	\$900	
Quarry Tile	5%			2032	**	5	\$700	
Vinyl Tile	25%			2027	\$20,100	3	\$800	
Wood	20%	4+	\$1,200	2042	**	5	\$1,600	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 224
Asset # : 13116

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	10%			2030	**	5	\$1,200	
Gypsum Board	5%			LIFE	**	5	\$400	
Masonry: Brick	20%	4+	\$2,000	LIFE	**			
<i>Vertical Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Cellar</i>								
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Cellar</i>								
Masonry: Fieldstone	5%	4+	\$900	LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Cellar Foundation Wall Adjacent To Stairwell</i>								
<i>Explanation : Eroded Mortar Joints</i>								
Plaster	35%			LIFE	**	5	\$1,300	
SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	5%	4+	\$400	2032	**	5	\$200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : 2nd Floor At Front Of Building</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 1%</i>								
<i>Location : 2nd Floor At Front Of Building</i>								
Embossed Metal	65%	4+	\$2,200	LIFE	**	5	\$2,500	
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 1%</i>								
<i>Location : 2nd Floor Gymnasium Area</i>								
Exposed Concrete	25%	Now	\$30,400	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout Cellar</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Cellar</i>								
Gypsum Board	5%			LIFE	**	5	\$500	
Site Enclosure								
Free Standing Walls								
Masonry: Brick	100%			2037	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2040	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2027	\$5,300	5		
<i>Enclosure Corroded, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 224
Asset # : 13116

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	90%			2037	**	1		
Conduit	10%	0-2	\$3,400	2057	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Panelboards								
Fused Disc Sw	20%			2026	\$8,400	5		
Molded Case Bkrs	60%			2026	\$25,200	5	\$100	
Molded Case Bkrs	20%			2035	**	5		
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Distribution Panel Is Blocked From Access Due To Temporary Structural Support For Apparatus Room Floor.</i>								
Wiring								
Thermoplastic	100%			2037	**	1		
Motor Controllers								
Locally Mounted	100%			2032	**	5		
Ground								
Grounding Devices								
Generic	100%	0-2	\$1,000	LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement - Water Main</i>								
<i>Explanation : Corroded</i>								
Lighting								
Interior Lighting								
Fluorescent	68%			2027	\$10,700	10	\$3,300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	30%			2022	\$4,700	10	\$1,500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-12 Lamps</i>								
Incandescent	2%			2022	\$700	2		
Egress Lighting								
Emergency, Service	50%			2027	\$1,400	1		
No Component	50%							
Exterior Lighting								
HID	67%			2022	\$14,700	10		
Incandescent	33%			2022	\$6,100	2		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 224
Asset # : 13116

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Steam Boiler	100%			2040	**	1	\$5,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Natural Gas Fired Steam Boiler</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2047	**	4	\$400	
Terminal Devices								
Convactor/Radiator	100%			2032	**	1	\$1,700	
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Window/Wall Unit	100%			2022		1	\$11,300	
Ventilation								
Distribution								
Ductwork/Diffusers	5%	4+	\$2,500	LIFE	**	2-5	\$200	
<i>Corroded, Extent : Light, Area Affected : 20%</i>								
<i>Location : Kitchen Hood Duct</i>								
No Component	95%							
Exhaust Fans								
Interior	20%			2032	**	2		
Roof	10%			2027		2	\$900	
Wall Unit	20%			2027		2	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : 1 Wall Unit</i>								
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	10%			2047	**	1		
Galvanized Steel	90%			2040	**	1		
Water Heater								
Gas Fired	100%			2025		2	\$3,300	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 224
Asset # : 13116

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Sanitary Piping								
Cast Iron	85%			LIFE	**	1		
Cast Iron	5%	Now	\$1,000	LIFE	**	1		
<i>Leak Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Drain At Ice Maker</i>								
Cast Iron	10%	Now	\$1,600	LIFE	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Explanation : Floods With Sewage During Rainstorm</i>								
Storm Drain Piping								
Cast Iron	90%			LIFE	**	1		
Cast Iron	10%	Now	\$700	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Explanation : Floods Occasionally</i>								
Sump Pump(s)								
Submersible	100%			2021	\$200	4	\$100	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	10%			2025	\$200	1-3	\$500	
No Component	90%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 225 / LADDER 107 / BATTALION 39
Address : 799 LINCOLN AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.225 / 13117 **Yr Built/Renovated** : 1970 /
Area Sq Ft : 8,320 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 4271 **Lot** : 75 **BIN** : 3095894

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$85,800	\$67,900
Mechanical	\$57,000	
Total	\$142,800	\$67,900
Importance Code A	\$142,800	\$67,900
Total	\$142,800	\$67,900

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$36,800	\$2,800		\$16,200
Interior Architecture	\$24,700	\$400	\$1,600	\$300
Electrical	\$1,700	\$2,400	\$600	\$3,300
Mechanical	\$22,500	\$1,000	\$1,400	\$11,100
Total	\$85,700	\$6,600	\$3,600	\$30,900
Importance Code A	\$40,300	\$3,100	\$400	\$16,600
Importance Code B	\$34,600	\$3,400	\$2,200	\$14,300
Importance Code C	\$10,800		\$1,000	
Total	\$85,700	\$6,600	\$3,600	\$30,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 225 / LADDER 107 / BATTALION 39
Asset # : 13117

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	55%	4+	\$5,800	LIFE	**	5	\$9,700	
<i>Graffiti, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Side Facade (Linden Boulevard)</i>								
Masonry: Brick	5%	Now	\$26,600	LIFE	**	5	\$900	
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Steel Cap At Chimney</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Vertical And Horizontal Cracks - Chimney At Roof</i>								
Metal Sect. OHD	10%			2040	**	5	\$5,500	
Stucco Cement	30%	4+	\$3,100	2040	**	5	\$6,600	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Exterior Soffit At Side Entrance Of Building</i>								
Windows								
Aluminum	100%	Now	\$85,800	2052	**	5	\$1,000	
<i>Air Infiltration, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Hardware Missing, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Thermally Inefficient</i>								
Parapets								
Metal Panel	10%			2037	**	5	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Roof Parapet</i>								
<i>Explanation : Metal Coping</i>								
Metal Rail	60%			2032	**	5-10	\$24,500	
Stucco Cement	30%			2032	**	5	\$1,800	
Roof								
Modified Bitumen	100%	Now	\$1,400	2027			\$67,900	
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Chimney</i>								

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 225 / LADDER 107 / BATTALION 39

Asset # : 13117

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	60%	Now	\$7,800	LIFE	**	5	\$16,300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
Ceramic Tile	10%			2036	**	5	\$1,200	
Terrazzo	5%			LIFE	**	5	\$500	
Vinyl Tile	25%			2032	**	3	\$1,200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 75%</i>								
<i>Location : 2nd Floor Throughout</i>								
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	10%			2036	**	5	\$1,900	
Concrete Masonry Unit	5%			LIFE	**	5	\$400	
Masonry: Brick	2%			LIFE	**			
Plaster	35%	0-2	\$10,800	LIFE	**	5	\$2,000	
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Stairwell</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Stairwell</i>								
SGFT/Glazed Masonry	35%			LIFE	**			
Wood	3%			LIFE	**	5	\$2,300	
Ceilings								
AcousTileSusp.Lay-In	5%			2032	**	5	\$600	
Exposed Concrete	20%			LIFE	**	5	\$400	
Plaster	75%	Now	\$6,100	LIFE	**	5	\$5,800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Stairwell At Roof Hatch</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Duct Soffit In 2nd Floor Lounge And Stairwell</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Stairwell At Roof Hatch</i>								
Site Enclosure								
Fence/Gates								
Chain link	100%			2047	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2040	**			
Parking/Driveway								
Asphalt	20%			2030	**			
Cast in Place Concrete	80%			2040	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 225 / LADDER 107 / BATTALION 39
Asset # : 13117

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment Fused Disc Sw	100%			2037	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Service Room</i>								
<i>Explanation : 400 Amperes Fused Service Switch</i>								
Raceway								
Conduit	80%			2037	**	1		
Conduit	20%			2047	**	1		
Panelboards								
Molded Case Bkrs	80%			2035	**	5	\$200	
Molded Case Bkrs	20%			2043	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Various Locations Throughout Building</i>								
<i>Explanation : Tripping Circuit Breakers When Turning a/c on</i>								
Wiring								
Thermoplastic	90%			2037	**	1		
Thermoplastic	10%			2047	**	1		
Motor Controllers								
Locally Mounted	100%			2032	**	5	\$100	
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches Automatic	100%			2032	**	1	\$2,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 260 Amp, 3 Pole</i>								
Generators								
Diesel	100%			2030	**	1	\$3,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : 81 Kva, 3 Phase, 120/208 V</i>								
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior</i>								
<i>Explanation : Inside Enclosure</i>								
Fuel Storage								
Day Tank	10%			2035	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Backyard</i>								
<i>Explanation : 60 Gallon Sub-basement Diesel Fuel Tank</i>								
Main Tank	90%			2042	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 550 Gallon Diesel Fuel Tank</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 225 / LADDER 107 / BATTALION 39
Asset # : 13117

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting								
Fluorescent	5%			2022	\$1,100	10	\$400	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fluorescent	2%			2027	\$500	10	\$200	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Second Floor</i>								
LED	93%			2032	* *			
Egress Lighting								
Emergency, Service	50%			2027	\$2,000	1		
Exit, Service	50%			2027	\$500	1		
Exterior Lighting								
Fluorescent	5%			2027	\$1,300	10		
HID	45%			2022	\$1,000	10		
HID	30%	Now	\$700	2037	* *			
<i>Not in Service, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Facade</i>								
Incandescent	20%			2027	\$5,300	2		
<i>Not in Service, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : Wall Mounted, Controlled Via Switch</i>								
Alarm								
Fire/Smoke Detection								
No Component	95%							
Generic, Analog	5%	Now	\$400	2037	* *	1-3	\$200	
<i>Devices Missing, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : One One First Floor And One On Second Floor</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : First And Second Floor</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Electricity	5%			2047	* *	1		
Natural Gas	95%			2047	* *	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 225 / LADDER 107 / BATTALION 39

Asset # : 13117

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Conversion Equipment Hot Water Boiler	95%	Now	\$57,000	2047	**	1	\$3,500	
<i>Broken, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 3 Burner Modular, 2 Burners Do Not Work</i>								
Radiant Heater	5%	Now	\$3,400	2032	**	2	\$200	
<i>Broken, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor House Watch</i>								
Distribution								
Hot Wtr Piping/Pump Under Construction	80%			2035	**	4	\$500	
	20%							
Terminal Devices								
Convactor/Radiator	70%			2032	**	1	\$1,900	
Convactor/Radiator	10%	Now	\$800	2032	**	1	\$200	
<i>Broken, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Office</i>								
<i>Malfunctioning, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Kitchen</i>								
Unit Heater - Steam	20%			2027	\$5,600	4	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Rig Area</i>								
<i>Explanation : Inadequate</i>								
Air Conditioning								
Energy Source Electricity	100%			2043	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	20%	Now	\$12,600	2037	**	2	\$100	
<i>Broken, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof</i>								
Window/Wall Unit	60%			2022	\$9,700	1		
Window/Wall Unit	10%	Now	\$1,600	2027	\$1,600	1		
<i>Broken, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Gymnasium And 2nd Floor Locker Room</i>								
No Component	10%							
Distribution								
Ductwork/Diffusers	20%	Now	\$800	LIFE	**	2	\$2,200	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Cardio</i>								
<i>Explanation : Ductwork Not Connected To Air Outlet</i>								
No Component	80%							
Ventilation								

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FIRE DEPARTMENT - 057
ENGINE CO. 225 / LADDER 107 / BATTALION 39
Asset # : 13117

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Distribution								
Ductwork/Diffusers	10%	2-4	\$1,400	LIFE	**	2-5	\$500	
<i>Corroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Kitchen Hood Exhaust Duct</i>								
No Component	90%							
Exhaust Fans								
Interior	50%			2027	\$13,800	2	\$100	
Roof	15%			2035	**	2		
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
Roof	10%	Now	\$1,300	2037	**	2		
<i>Malfunctioning, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Fan On Roof Serves Kitchen Hood</i>								
Wall Unit	25%			2022	\$700	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rig Area</i>								
<i>Explanation : Inadequate</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2047	**	1		
<i>Not Insulated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : All Areas</i>								
Water Heater								
Gas Fired	100%			2025	\$4,700	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 74 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2020	\$300	4	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Units In 2 Locations</i>								
Backflow Preventer								
No Component	95%							
Generic	5%			2032	**	1		
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	10%			2025	\$200	1-3	\$500	
No Component	90%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 226
Address : 409 STATE STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.226 / 13118 **Yr Built/Renovated** : 1889 /
Area Sq Ft : 3,718 **Project Type** : FIRE DEPARTMENT
Date of Survey : 20-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 172 **Lot** : 48 **BIN** : 3000562

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$78,000	
Interior Architecture	\$82,100	
Total	\$160,100	
Importance Code A	\$78,000	
Importance Code B	\$82,100	
Total	\$160,100	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$2,700	\$4,600		\$5,200
Interior Architecture	\$17,400		\$300	\$300
Electrical	\$1,400	\$400	\$1,900	\$4,700
Mechanical	\$3,500	\$500	\$2,000	\$500
Site Enclosure	\$16,800			
Total	\$41,900	\$5,500	\$4,100	\$10,800
Importance Code A	\$3,100	\$4,900	\$400	\$5,600
Importance Code B	\$19,000	\$500	\$3,800	\$5,200
Importance Code C	\$19,800			
Total	\$41,900	\$5,500	\$4,100	\$10,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 226
Asset # : 13118

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$78,000	LIFE	**	5	\$12,900	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : North Facade</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : North Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : North Facade</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : South Facade</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Foundation</i>								
Masonry: Limestone	10%			LIFE	**	5	\$1,200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Cornice At South Facade</i>								
<i>Explanation : Painted Surface</i>								
Wood Overhead Doors	10%			2032	**	5	\$8,100	
Windows								
Aluminum	100%			2035	**	5	\$1,000	
Parapets								
Masonry: Brick	85%			LIFE	**	5	\$1,500	
Metal Panel	5%			2047	**	5	\$300	
Metal Rail	5%			2032	**	5-10	\$1,600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : South Parapet</i>								
<i>Explanation : Ornamental Cast Iron</i>								
Pre-Cast Concrete	5%			LIFE	**	5	\$600	
Roof								
Modified Bitumen	85%	Now	\$2,700	2027	\$27,100			
<i>Blisters, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : North Section</i>								
<i>Drains Clogged, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Drain At North Side Of Roof</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Drain At North Section</i>								
Roll Roofing	15%			2020	\$3,400	5	\$1,400	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over Kitchen</i>								

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 226
Asset # : 13118

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Interior									
Floors									
Cast in Place Concrete	45%			LIFE	**	5	\$5,600		
Ceramic Tile	10%			2036	**	5	\$600		
Vinyl Tile	45%	2-4	\$13,000	2032	**	3	\$1,000		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Throughout</i>									
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Throughout</i>									
Interior Walls									
Masonry: Brick	10%	4+	\$3,000	LIFE	**				
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Basement</i>									
Plaster	80%			LIFE	**	5	\$1,900		
Wood	10%			LIFE	**	5	\$3,100		
Ceilings									
AcousTileSusp.Lay-In	10%	4+	\$1,400	2032	**	5	\$300		
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Throughout</i>									
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Throughout</i>									
Embossed Metal	45%			LIFE	**	5	\$1,200		
Exposed Concrete	45%	Now	\$82,100	LIFE	**	5	\$400		
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Steel Beams</i>									
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : Basement</i>									
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Apparatus Slab</i>									
<i>Explanation : Support Of Apparatus Floor Is Reinforced With Lally Columns</i>									
Site Enclosure									
Free Standing Walls									
Masonry: Brick	100%	Now	\$16,800	2037	**				
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>									
<i>Location : Rear Yard</i>									
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 25%</i>									
<i>Location : Rear Yard</i>									
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>									
<i>Location : Rear Yard</i>									
<i>Explanation : Vertical Cracking</i>									
Electrical									
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Under 600 Volts									

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FIRE DEPARTMENT - 057
ENGINE CO. 226
Asset # : 13118

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2047	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Switch Rated @ 200 Amperes</i>								
<hr/>								
Raceway								
Conduit	50%			2047	**	1		
Conduit	50%			2037	**	1		
<hr/>								
Panelboards								
Molded Case Bkrs	50%			2043	**	5		
Molded Case Bkrs	50%			2035	**	5		
<hr/>								
Wiring								
Thermoplastic	100%			2047	**	1		
<hr/>								
Motor Controllers								
Locally Mounted	100%			2040	**	5		
<hr/>								
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<hr/>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2040	**	1	\$1,100	
<hr/>								
Generators								
Diesel	100%			2036	**	1	\$1,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Diesel Generator Rated @ 60 Kw</i>								
<hr/>								
Batteries								
Lead/Acid	100%			2021	\$1,500	5	\$100	
<hr/>								
Fuel Storage								
Main Tank	100%			2055	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 50 Gallon Capacity</i>								
<hr/>								
Lighting								
Interior Lighting								
Fluorescent	90%			2032	**	10	\$3,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
<hr/>								
Fluorescent	5%			2032	**	10	\$200	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<hr/>								
Incandescent	5%			2022	\$1,200	2		
<hr/>								
Egress Lighting								
Emergency, Service	100%			2032	**	1		
<hr/>								
Exterior Lighting								
HID	100%			2032	**	10		

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FIRE DEPARTMENT - 057
ENGINE CO. 226
Asset # : 13118

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Fire/Smoke Detection

No Component

90%

Generic, Digital

10% Now

\$1,200

2037

* *

1-3

\$200

*Devices Missing, Extent : Moderate, Area Affected : 100%**Location : Various Locations Around The Building**Local/Battery Operated Detect, Extent : Light, Area Affected : 100%**Location : Various Locations Around The Building*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2047

* *

1

*Recent Replace Evident, Extent : Light, Area Affected : 100%**Location : Total House*

Conversion Equipment

Steam Boiler

100%

2040

* *

1

\$3,700

Distribution

Central Plant Steam

100%

2047

* *

4

\$300

Piping/Pmp

Terminal Devices

Convactor/Radiator

100%

2040

* *

1

\$1,200

Air Conditioning

Energy Source

Electricity

100%

2043

* *

1

Conversion Equipment

Exterior Pkg Unit -

Cooling

50%

2032

* *

2

\$100

Window/Wall Unit

50%

2025

\$3,600

1

Distribution

Ductwork/Diffusers

100%

LIFE

* *

2

\$4,800

Ventilation

Distribution

Ductwork/Diffusers

100%

LIFE

* *

2-5

\$2,100

Exhaust Fans

Interior

25%

2032

* *

2

Roof

30% Now

\$1,700

2037

* *

2

*Unit Inoperable, Extent : Moderate, Area Affected : 25%**Location : Kitchen Hood*

Roof

10%

2032

* *

2

Wall Unit

10% Now

\$100

2037

* *

2

*Malfunctioning, Extent : Moderate, Area Affected : 25%**Location : Rig General Exhaust*

No Component

25%

Plumbing

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FIRE DEPARTMENT - 057
ENGINE CO. 226
Asset # : 13118

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	H/C Water Piping Galvanized Steel	100%			2040	**	1	
	Water Heater Gas Fired	100%			2025	\$2,100	2	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Two 74 Gallon</i>					
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping Cast Iron	85%			LIFE	**	1	
	Cast Iron	15%	Now	\$1,100	LIFE	**	1	
			<i>Blockage /Clogged, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : Roof</i>					
			<i>Cracked, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Basement</i>					
	Fixtures Generic	100%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 227
Address : 423 RALPH AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.227 / 13119 **Yr Built/Renovated** : 1907 /
Area Sq Ft : 8,440 **Project Type** : FIRE DEPARTMENT
Date of Survey : 18-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 1445 **Lot** : 2 **BIN** : 3038838

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$65,800	
Interior Architecture	\$106,900	
Mechanical		\$222,700
Total	\$172,700	\$222,700
Importance Code A	\$65,800	\$51,100
Importance Code B	\$106,900	\$171,600
Total	\$172,700	\$222,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$59,000		\$100	
Interior Architecture	\$66,600	\$200	\$600	\$300
Electrical	\$12,500	\$100		\$18,800
Mechanical	\$32,800	\$1,100	\$1,200	\$31,700
Site Enclosure	\$9,800			
Site Pavements	\$1,800			
Total	\$182,500	\$1,500	\$1,900	\$50,800
Importance Code A	\$64,600	\$800	\$1,000	\$800
Importance Code B	\$103,700	\$600	\$1,000	\$49,900
Importance Code C	\$14,100			
Total	\$182,500	\$1,500	\$1,900	\$50,800



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FIRE DEPARTMENT - 057
ENGINE CO. 227
Asset # : 13119

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	0-2	\$65,800	LIFE	**	5	\$7,300	
<i>Diagonal Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : 3rd Floor Rear Wall</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Throughout Except Front Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Left Facade And Throughout Upper Parts Of Wall Except Front Facade</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : Left Side Front Corner</i>								
Masonry: Granite	2%			LIFE	**	5	\$100	
Masonry: Limestone	10%	0-2	\$19,900	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Limestone</i>								
Metal Sect. OHD	8%	Now	\$1,100	2040	**	5	\$1,100	
<i>Other Observation, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Base Of Ohd Frame</i>								
<i>Explanation : Frame Is Deteriorated/rusted At Base.</i>								
Windows								
Aluminum	85%			2026		5	\$300	
Steel	15%	0-2	\$2,300	2052	**	5	\$300	
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Lintels At 1st, 2nd And 3rd Floor Rear Windows</i>								
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$1,500	LIFE	**	5	\$300	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Cornice</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Cornice</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	75%	0-2	\$3,400	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Metal Cornice	15%			2055	**	10	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Parapet</i>								
<i>Explanation : Metal Coping</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 227
Asset # : 13119

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Roof								
Built-Up (BUR)	60%	Now	\$30,800	2037	**			1
<i>Blisters, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Front Portion Of Roof</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Entire Built-Up Roof</i>								
Modified Bitumen	40%			2027	\$26,100	10	\$4,500	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$39,800	LIFE	**	5	\$14,000	
<i>Other Observation, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Structurally Insufficient; Major Rusting At Temporary Support Column Bases In Cellar</i>								
Ceramic Tile	10%			2036	**	5	\$1,300	
Vinyl Tile	15%			2035	**	3	\$700	
Wood	25%	2-4	\$21,000	2042	**	5	\$3,000	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Stairwell, Third Floor Lounge</i>								
Interior Walls								
Ceramic Tile	30%	4+	\$3,100	2030	**	5	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus And Stairwell</i>								
Masonry: Brick	20%			LIFE	**			
<i>Paint Peeling, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Cellar</i>								
Plaster	20%	Now	\$1,200	LIFE	**	5	\$200	
<i>Spalling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Hallway</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Hallway</i>								
SGFT/Glazed Masonry	15%			LIFE	**			
Wood	15%			LIFE	**	5	\$2,200	

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FIRE DEPARTMENT - 057
ENGINE CO. 227
Asset # : 13119

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	5%			2032	**	5	\$700	
Embossed Metal	20%	0-2	\$9,500	LIFE	**	5	\$1,200	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
Exposed Concrete	25%	Now	\$64,900	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Cellar</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Cellar At Areaway Hatch</i>								
<i>Other Observation, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Structurally Insufficient</i>								
Exposed Concrete	5%	Now	\$2,200	LIFE	**	5	\$100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 1st Floor Ceiling At Storehouse Side</i>								
Plaster	45%	Now	\$31,800	LIFE	**	5	\$3,800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor Lounge And 2nd Floor Bunkroom</i>								
Site Enclosure								
Free Standing Walls								
Masonry: Brick	100%	Now	\$9,800	2037	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Back Yard</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Back Yard</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Back Yard</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	\$1,800	2032	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Apron At Overhead Door Entrance</i>								
<i>Explanation : Minor Spall</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

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FIRE DEPARTMENT - 057
ENGINE CO. 227
Asset # : 13119

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%	Now	\$4,800	2057	**	5		
<i>Enclosure Corroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Severe Water Damage</i>								
Raceway								
Conduit	100%			2037	**	1		
Panelboards								
Molded Case Bkrs	50%	Now	\$7,700	2052	**	5	\$100	
<i>Enclosure Corroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Severe Water Damage</i>								
Molded Case Bkrs	50%			2035	**	5	\$100	
Wiring								
Rubber	50%			2035	**	1		
Thermoplastic	50%			2047	**	1		
Motor Controllers								
Locally Mounted	100%			2025	\$14,400	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Incandescent	5%			2022	\$2,700	2		
LED	95%			2032	**			
Egress Lighting								
Emergency, Service	50%			2022	\$2,100	1		
Exit, Service	50%			2022	\$500	1		
Exterior Lighting								
HID	50%			2032	**	10		
Incandescent	50%			2022	\$13,500	2		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	50%			2047	**	1		
Natural Gas	50%	4+	\$200	2037	**	1		
<i>Corroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 227
Asset # : 13119

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment Steam Boiler	100%			2025	\$51,100	1	\$8,400	
Distribution Central Plant Steam Piping/Pmp	100%	4+	\$13,400	2027	\$133,600	4	\$400	
<i>Corroded, Extent : Light, Area Affected : 50%</i> <i>Location : Basement</i>								
Terminal Devices Convactor/Radiator Unit Heater - Steam	90%			2025	\$38,000	1	\$2,500	
	10%	Now	\$2,800	2037	**	4	\$100	
<i>Abandoned in Place, Extent : Moderate, Area Affected : 100%</i> <i>Location : 1st Floor</i>								
Air Conditioning								
Energy Source Electricity	100%			2043	**	1		
Conversion Equipment Window/Wall Unit	100%			2022	\$16,400	1		
Ventilation								
Exhaust Fans Interior Roof	50%			2022	\$14,000	2	\$100	
	50%			2027	\$6,600	2	\$100	
Plumbing								
H/C Water Piping Brass/Copper	100%			2037	**	1		
<i>No Water Meter, Extent : Light, Area Affected : 100%</i> <i>Location : Basement</i>								
Water Heater Gas Fired	100%			2025	\$4,800	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Basement</i> <i>Explanation : 1 - 75 Gallon Unit</i>								
Sanitary Piping Cast Iron	100%	4+	\$11,600	LIFE	**	1		
<i>Corroded, Extent : Light, Area Affected : 100%</i> <i>Location : Basement</i>								
Storm Drain Piping Cast Iron	100%	2-4	\$3,300	LIFE	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 100%</i> <i>Location : Basement</i>								
Sump Pump(s) Submersible	100%			2019	\$300	4	\$300	
Fixtures Generic	100%							
Fire Suppression								
Chemical System Wet No Component	10%			2025	\$200	1-3	\$500	
	90%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 227
Asset # : 13119

Print Date : 13-Oct-2017 **FIRE DEPARTMENT - FY 2018**

Asset Name	: ENGINE CO. 228		
Address	: 436 39th STREET		
Borough	: BROOKLYN	Agency's Number	: N/A
Program / Asset #	: FIRSECO.228 / 13120	Yr Built/Renovated	: 1897 /
Area Sq Ft	: 3,519	Project Type	: FIRE DEPARTMENT
Date of Survey	: 22-Apr-2016	Landmark Status	: NONE
Areas Surveyed	: Basement, Roof, Floors 1,2		
Block	: 709	Lot	: 19
		BIN	: 3010534

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$93,400			\$4,800
Interior Architecture	\$23,300		\$600	
Electrical	\$18,100			\$26,000
Mechanical	\$2,300	\$300	\$400	\$3,900
Site Pavements	\$1,500			
Total	\$138,600	\$300	\$1,000	\$34,800
Importance Code A	\$98,400	\$200	\$200	\$5,000
Importance Code B	\$21,800	\$200	\$400	\$29,800
Importance Code C	\$18,300		\$400	
Total	\$138,600	\$300	\$1,000	\$34,800



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FIRE DEPARTMENT - 057
ENGINE CO. 228
Asset # : 13120

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	0-2	\$20,600	LIFE	**	5	\$13,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East, South And West Facades Along Top</i>								
Masonry: Sandstone	10%	0-2	\$14,700	LIFE	**	5	\$1,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : By Ohd At Front Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Front Facade</i>								
<i>Spalling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Top Of Front Facade</i>								
Wood Overhead Doors	10%			2032	**	5	\$8,600	
Windows								
Metal Clad	75%			2043	**	5	\$2,500	
Metal/Detention Type	25%	Now	\$26,700	2057	**	5	\$200	
<i>Air Infiltration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Clerestory Windows At Rear Of Building</i>								
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Clerestory Windows At Rear Of Building</i>								
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Clerestory Windows At Rear Of Building</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Clerestory Windows At Rear Of Building</i>								
Parapets								
Masonry: Brick	40%			LIFE	**	5	\$500	
Masonry: Sandstone	15%			LIFE	**	5	\$200	
Metal Panel	25%			2037	**	5	\$1,100	
Slate	20%	Now	\$26,000	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout Main Roof</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout Main Roof</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 228
Asset # : 13120

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Asphalt Shingle	20%			2036	**	10	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Back Yard</i>								
<i>Explanation : Shed Roof</i>								
Modified Bitumen	75%	Now	\$5,400	2032	**			1
<i>Drains Clogged, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Upper And Lower Roof</i>								
<i>Ponding, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Upper And Lower Roof</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Lower Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Lower Roof</i>								
Skylight, Metal/Glass	5%			2037	**	10	\$1,000	
<i>Corrosion/Rusting, Extent : Light, Area Affected : 25%</i>								
<i>Location : Upper Roof</i>								
Interior								
Floors								
Cast in Place Concrete	60%	0-2	\$1,900	LIFE	**	5	\$7,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor, Weight Room In Cellar</i>								
Ceramic Tile	15%	4+	\$900	2036	**	5	\$400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Kitchen Under Sink Area</i>								
Vinyl Tile	25%			2027		3	\$600	
Interior Walls								
Ceramic Tile	10%			2036	**	5	\$800	
Gypsum Board	10%			LIFE	**	5	\$500	
Masonry: Brick	30%	0-2	\$18,300	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : In Cellar Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : In Cellar At Front Of Building</i>								
Plaster	50%			LIFE	**	5	\$1,200	

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FIRE DEPARTMENT - 057
ENGINE CO. 228
Asset # : 13120

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
Embossed Metal	35%	Now	\$1,800	LIFE	**	5	\$900	
<i>Deformed/Dented, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Kitchen Area Over Sink</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Kitchen Area Over Sink</i>								
Exposed Concrete	30%			LIFE	**	5	\$300	
Metal Panel	5%			LIFE	**	5	\$400	
Plaster	30%	Now	\$500	LIFE	**	5	\$1,100	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor</i>								
Site Enclosure								
Fence/Gates								
Chain link	100%			2037	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	\$1,500	2032	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : By Street Curb And Hatchway Area</i>								
Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%	Now	\$4,800	2057	**	5		
<i>Enclosure Corroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Amperes Main Disconnect Switch</i>								
Raceway								
Conduit	100%			2027	\$31,300	1		
Panelboards								
Fused Disc Sw	10%			2026	\$3,800	5		
Molded Case Bkrs	20%	Now	\$7,700	2052	**	5		
<i>Enclosure Corroded, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement, Main Distribution Panel. Panel Is Not Fastened Properly To The Wall</i>								
Molded Case Bkrs	70%			2026	\$26,900	5	\$100	
Wiring								
Braided Cloth	20%	Now	\$5,500	2052	**	1		
<i>Insulation Damaged, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
Thermoplastic	80%			2027	\$22,200	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 228
Asset # : 13120

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2025	\$14,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	100%			2022	\$9,500	10	\$3,200	
			<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout Building</i>					
Exterior Lighting								
HID	100%			2022	\$13,300	10		
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2032	**	1	\$1,700	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 1 Unit</i>					
Distribution								
Hot Wtr Piping/Pump	100%			2035	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2032	**	1	\$1,100	
Air Conditioning								
Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Split Unit	5%			2027	\$3,500			
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : Kitchen</i>					
Window/Wall Unit	50%			2022	\$3,400	1		
Window/Wall Unit	15%	Now	\$1,000	2027	\$1,000	1		
			<i>Broken, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
No Component	30%							
Ventilation								
Distribution								
Ductwork/Diffusers	15%			LIFE	**	2-5	\$300	
No Component	85%							

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FIRE DEPARTMENT - 057
ENGINE CO. 228
Asset # : 13120

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
Exhaust Fans								
	Interior	15%	4+	\$500	2027	\$1,800	2	
<i>Noisy/Vibrating, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Rig Floor</i>								
	Wall Unit	10%			2027	\$100	2	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Kitchen Hood</i>								
	No Component	75%						
Plumbing								
H/C Water Piping								
	Brass/Copper	98%			2037	**	1	
	Galvanized Steel	2%	Now	\$100	2040	**	1	
<i>Broken, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor Mens Bathroom</i>								
Water Heater								
	Gas Fired	100%			2025	\$2,000	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units</i>								
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%	2-4	\$100	2022	\$100	4	\$100
<i>Malfunctioning, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System								
	Wet	10%			2025	\$200	1-3	\$500
	No Component	90%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 229/LADDER 146
Address : 75 RICHARDSON STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.229 / 13121 **Yr Built/Renovated** : 1913 /
Area Sq Ft : 8,184 **Project Type** : FIRE DEPARTMENT
Date of Survey : 19-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2722 **Lot** : 28 **BIN** : 3067898

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$117,900
Interior Architecture	\$187,400	
Electrical		\$15,400
Total	\$187,400	\$133,300
Importance Code A		\$117,900
Importance Code B	\$187,400	\$15,400
Total	\$187,400	\$133,300

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$1,200	\$4,700		
Interior Architecture	\$39,100	\$3,900	\$300	\$500
Electrical	\$4,600	\$100	\$100	\$17,200
Mechanical	\$26,400	\$1,500	\$1,900	\$22,900
Total	\$71,300	\$10,100	\$2,400	\$40,600
Importance Code A	\$21,000	\$5,500	\$800	\$800
Importance Code B	\$47,300	\$2,400	\$1,600	\$39,800
Importance Code C	\$3,000	\$2,200		
Total	\$71,300	\$10,100	\$2,400	\$40,600



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FIRE DEPARTMENT - 057
ENGINE CO. 229/LADDER 146
Asset # : 13121

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	85%			LIFE	**	5	\$19,700	
Masonry: Granite	2%			LIFE	**	5	\$300	
Masonry: Limestone	5%			LIFE	**	5	\$900	
Wood Overhead Doors	8%			2025	\$58,600	5	\$9,300	
Windows								
Aluminum	100%			2035	**	5		
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$1,600	
Masonry: Brick	80%			LIFE	**	5	\$800	
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Parapet Wall</i>								
Roof								
Modified Bitumen	100%	0-2	\$1,200	2027	\$59,300			
<i>Blisters, Extent : Light, Area Affected : 5%</i>								
<i>Location : Main Roof</i>								
<i>Ponding, Extent : Moderate, Area Affected : 3%</i>								
<i>Location : 1st Floor Roof</i>								
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$34,500	LIFE	**	5	\$12,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Temporary Columns In Cellar</i>								
Ceramic Tile	5%			2036	**	5	\$700	
Terrazzo	5%			LIFE	**	5	\$500	
Vinyl Tile	30%	0-2	\$35,300	2037	**	3	\$1,600	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 35%</i>								
<i>Location : 2nd And 3rd Floor Throughout And In Cellar</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : 2nd And 3rd Floor Throughout</i>								
Vinyl Tile	15%			2032	**	3	\$800	
Wood	5%			2055	**	5	\$1,300	

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FIRE DEPARTMENT - 057
ENGINE CO. 229/LADDER 146
Asset # : 13121

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	30%			2030	**	5	\$4,500	
Masonry: Brick	20%			LIFE	**			
Plaster	50%	0-2	\$3,000	LIFE	**	5	\$2,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Locker Room, 3rd Floor, Roof Scuttle, Stairwell</i>								
<i>Spalling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 2%</i>								
<i>Location : Stairwell At Second Floor</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<hr/>								
Ceilings								
AcousTileSusp.Lay-In	10%			2040	**	5	\$1,600	
Exposed Concrete	50%	Now	\$152,200	LIFE	**	5	\$1,200	
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Steel Beams In Cellar</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Temporary Supports In Cellar</i>								
Plaster	40%	4+	\$1,700	LIFE	**	5	\$3,900	
<i>Water Penetration, Extent : Light, Area Affected : 1%</i>								
<i>Location : Stairwell At Second Floor</i>								
<hr/>								
Site Enclosure								
Fence/Gates								
Chain link	100%			2037	**			
<hr/>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2032	**			
<hr/>								
Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2047	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 200 Amperes Main Electrical Service Switch</i>								
<hr/>								
Raceway								
Conduit	80%			2027	\$25,000	1		
Conduit	20%			2037	**	1		
<hr/>								
Panelboards								
Molded Case Bkrs	40%			2026	\$15,400	5	\$100	
Molded Case Bkrs	60%			2035	**	5	\$100	

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FIRE DEPARTMENT - 057
ENGINE CO. 229/LADDER 146
Asset # : 13121

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Wiring								
	Thermoplastic	100%			2037	**	1	
Motor Controllers								
	Locally Mounted	100%			2032	**	5	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Motor Controllers For Two Overhead Doors</i>								
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$100
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Ground Clamps On Line And Load Side Of Water Meter Are Corroded</i>								
Lighting								
Interior Lighting								
	Fluorescent	5%	2-4	\$1,100	2037	**		
<i>Damaged Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Covers Missing From Light Fixtures Throughout Firehouse</i>								
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement And 3rd Floor</i>								
	Fluorescent	40%			2022	\$8,900	10	\$3,000
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 50%</i>								
<i>Location : Basement And 3rd Floor</i>								
	Fluorescent	45%			2027	\$10,000	10	\$3,400
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floors</i>								
	Incandescent	10%			2022	\$5,200	2	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st And 3rd Floor Lounges</i>								
<i>Explanation : Incandescent Lamps In Use</i>								
Exterior Lighting								
	HID	50%	4+	\$3,100	2032	**		
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Building Exterior Facade</i>								
	Incandescent	50%			2027	\$13,100	2	
Alarm								
Fire/Smoke Detection								
	No Component	95%						
	Generic, Digital	5%	Now	\$400	2037	**	1-3	\$200
<i>Devices Missing, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Various Locations Around Building</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Various Locations Around Building</i>								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 229/LADDER 146
Asset # : 13121

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2037	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
Conversion Equipment								
Steam Boiler	100%	4+	\$19,800	2047	**	1	\$7,300	
<i>Obsolete Equipment, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2037	**	4	\$400	
Terminal Devices								
Convactor/Radiator	100%			2032	**	1	\$2,600	
Air Conditioning								
Energy Source								
Electricity	100%			2049	**	1		
Conversion Equipment								
Window/Wall Unit	100%			2025		1	\$15,900	
Ventilation								
Distribution								
Ductwork/Diffusers	100%	Now	\$1,400	LIFE	**	2-5	\$4,600	
<i>Abandoned in Place, Extent : Light, Area Affected : 40%</i>								
<i>Location : Apparatus Floor</i>								
Exhaust Fans								
Interior	80%			2022		2	\$200	
Wall Unit	20%			2027		2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen Hood</i>								
<i>Explanation : Hood</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	20%			2047	**	1		
Galvanized Steel	80%			2040	**	1		
Water Heater								
Gas Fired	70%	0-2	\$3,300	2027	\$3,300	2	\$100	
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : 1 Of 2 Units Obsolete</i>								
Gas Fired	30%			2025		2	\$1,400	
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 229/LADDER 146
Asset # : 13121

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	Storm Drain Piping								
	Cast Iron	80%			LIFE	**	1		
	Cast Iron	20%	4+	\$1,600	LIFE	**	1		
		<i>Corroded, Extent : Moderate, Area Affected : 100%</i>							
		<i>Location : Basement</i>							
	Sump Pump(s)								
	Submersible	100%			2020	\$300	4	\$300	
	Backflow Preventer								
	No Component	95%							
	Generic	5%			2027	\$100	1		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
		<i>Location : Cellar</i>							
		<i>Explanation : Boiler Feed</i>							
	Fixtures								
	Generic	100%							

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 23
Address : 215 WEST 58th STREET @ 7TH AVE.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.023 / 13017 **Yr Built/Renovated** : 1906 /
Area Sq Ft : 6,108 **Project Type** : FIRE DEPARTMENT
Date of Survey : 25-Apr-2016 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 1030 **Lot** : 23 **BIN** : 1024915

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$652,700	
Electrical	\$62,100	
Total	\$714,800	
Importance Code A	\$652,700	
Importance Code B	\$62,100	
Total	\$714,800	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$83,100			\$7,600
Interior Architecture	\$64,200	\$1,700		\$400
Electrical	\$11,000	\$400	\$300	\$27,600
Mechanical	\$3,600	\$700	\$800	\$13,900
Total	\$162,000	\$2,800	\$1,100	\$49,500
Importance Code A	\$86,300	\$500	\$500	\$8,100
Importance Code B	\$44,100	\$1,600	\$600	\$41,400
Importance Code C	\$31,500	\$600		
Total	\$162,000	\$2,800	\$1,100	\$49,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 23
Asset # : 13017

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$225,800	LIFE	**	5	\$22,900	
<i>Sidewalk Shed in Use, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Front Wall - Could Not Be Surveyed</i>								
Masonry: Limestone	15%	2-4	\$302,500	LIFE	**	5	\$3,400	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Wall</i>								
Wood Overhead Doors	10%			2032	**	5	\$15,200	
Windows								
Aluminum	50%	Now	\$26,000	2052	**	5	\$300	
<i>Air Infiltration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Windows Missing Gaskets</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Wood	50%	Now	\$1,700	2043	**	5	\$2,800	
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 3rd Floor Front Facade</i>								
Parapets								
Masonry: Limestone	20%	Now	\$23,100	LIFE	**	5	\$500	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Front Wall Is Temporarily Stabilized With Plywood/ Straps</i>								
Slate	80%	Now	\$124,400	LIFE	**	5	\$1,600	
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Caulk Joints Failing Throughout</i>								
<i>Miss/Damaged Copings, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Copings Are Damaged/ Not Level</i>								
Roof								
Built-Up (BUR)	100%	0-2	\$32,300	2037	**			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roofing Covered For Adjacent Property Construction</i>								
<i>Explanation : Roof Covered With Wood Planks</i>								
Interior								
Floors								
Carpet	5%			2023	\$6,600	3	\$700	
Cast in Place Concrete	40%			LIFE	**	5	\$8,200	
Ceramic Tile	5%			2030	**	5	\$500	
Panel/Paver: Cer/Brk	5%			2035	**	5	\$1,100	
Quarry Tile	10%	0-2	\$3,000	2040	**	5	\$700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	35%	0-2	\$12,200	2032	**	3	\$1,200	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : 2nd And 3rd Floor</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 23
Asset # : 13017

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	10%			2030	**	5	\$1,300	
Concrete Masonry Unit	10%			LIFE	**	5	\$500	
Gypsum Board	5%			LIFE	**	5	\$400	
Masonry: Brick	25%	0-2	\$27,600	LIFE	**			
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Plaster	35%	0-2	\$4,000	LIFE	**	5	\$1,400	
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 3rd Floor Stair</i>								
SGFT/Glazed Masonry	15%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	35%	0-2	\$17,500	2040	**	5	\$1,700	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 3rd Floor Locker Room</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor Locker Room</i>								
Embossed Metal	25%			LIFE	**	5	\$1,100	
Exposed Concrete	25%			LIFE	**	5	\$400	
Exposed Struc: Steel	5%			LIFE	**			
Plaster	10%			LIFE	**	5	\$600	
<i>Paint Peeling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 3rd Floor Stair</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2040	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2027	\$5,300	5		
Raceway								
Conduit	100%	Now	\$700	2027	\$34,200	1		
<i>Covers Missing, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 3rd Floor Light Switches And Junction Boxes</i>								
Panelboards								
Molded Case Bkrs	100%			2035	**	5	\$200	
Wiring								
Braided Cloth	30%	0-2	\$9,100	2052	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
Thermoplastic	70%			2037	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 23
Asset # : 13017

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2032	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Incandescent	5%			2022	\$2,100	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 2nd Floor</i>						
		<i>Explanation : Office Area</i>						
LED	95%			2032	**			
Egress Lighting								
Emergency, Battery	50%			2027	\$4,500	10	\$700	
Exit, Service	50%			2027	\$400	1		
Exterior Lighting								
HID	95%			2022	\$23,900	10		
Incandescent	5%			2022	\$1,100	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Front Facade</i>						
		<i>Explanation : Flood Lights</i>						
Alarm								
Fire/Smoke Detection								
No Component	10%							
Generic, Analog	90%	Now	\$1,200	2022	\$62,100	1-3	\$3,100	
		<i>Devices Missing, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Steam Boiler	80%	Now	\$3,200	2040	**	1	\$4,400	
		<i>Corroded, Extent : Moderate, Area Affected : 5%</i>						
		<i>Location : Boilers</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 Units</i>						
No Component	20%							

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FIRE DEPARTMENT - 057
ENGINE CO. 23
Asset # : 13017

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
Distribution								
	Central Plant Steam Piping/Pmp	100%			2047	**	4	\$500
Terminal Devices								
	Convactor/Radiator	90%			2032	**	1	\$1,800
	Unit Heater - Steam	10%			2032	**	4	\$100
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Apparatus Floor</i>								
Air Conditioning								
Energy Source								
	Electricity	100%			2043	**	1	
Conversion Equipment								
	Window/Wall Unit	100%			2022		1	\$13,000
Ventilation								
Distribution								
	Ductwork/Diffusers	20%			LIFE	**	2-5	\$700
	No Component	80%						
Exhaust Fans								
	Interior	100%			2035	**	2	\$200
Plumbing								
H/C Water Piping								
	Galvanized Steel	100%			2044	**	1	
Water Heater								
	Gas Fired	100%			2026		2	\$3,800
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1-75 Gallon</i>								
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%	0-2		2022		4	\$200
<i>Damaged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System								
	Wet	5%			2025		1-3	\$200
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Over Kitchen Hood</i>								
	No Component	95%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 230
Address : 701 PARK AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.230 / 13122 **Yr Built/Renovated** : 1949 /
Area Sq Ft : 4,500 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Mar-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1730 **Lot** : 49 **BIN** : 3048373

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Interior Architecture	\$38,000	
Electrical	\$48,800	\$30,800
Total	\$86,800	\$30,800
Importance Code B	\$86,800	\$30,800
Total	\$86,800	\$30,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$37,200			
Interior Architecture	\$15,800		\$700	\$200
Electrical	\$5,800			\$5,700
Mechanical	\$3,300	\$800	\$900	\$7,200
Total	\$62,100	\$900	\$1,700	\$13,100
Importance Code A	\$42,500	\$400	\$400	\$400
Importance Code B	\$9,600	\$400	\$700	\$12,600
Importance Code C	\$10,000		\$600	
Total	\$62,100	\$900	\$1,700	\$13,100



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 230
Asset # : 13122

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	90%	Now	\$21,600	LIFE	**	5	\$14,400	
<i>Water Penetration, Extent : Light, Area Affected : 20%</i>								
<i>Location : 2nd Floor Exercise Room</i>								
Wood Overhead Doors	10%	4+	\$5,000	2032	**	5	\$4,000	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%	Now	\$600	2043	**	5	\$400	
<i>Weather Strip Missing, Extent : Light, Area Affected : 5%</i>								
<i>Location : At Windows With Air Conditioning Units</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$400	
Masonry: Brick	90%			LIFE	**	5	\$500	
Roof								
Built-Up (BUR)	95%	4+	\$600	2027			\$27,600	
<i>Alligatoring, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	5%	Now	\$9,400	2037	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Metal Counter Flashing Located Over Roof Curb</i>								
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	60%	Now	\$38,000	LIFE	**	5	\$8,000	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Structurally Insufficient</i>								
Ceramic Tile	5%			2036	**	5	\$300	
Granite Panels	5%			LIFE	**	5	\$200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
Terrazzo	5%			LIFE	**	5	\$200	
Vinyl Tile	25%	Now	\$3,900	2027		3	\$600	
<i>Worn/Eroded, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 230
Asset # : 13122

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Cast in Place Concrete	30%	Now	\$4,400	LIFE	**			
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Ceramic Tile	10%			2036	**	5	\$1,200	
Plaster	30%	Now	\$5,600	LIFE	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
SGFT/Glazed Masonry	30%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	15%	Now	\$500	2032	**	5	\$600	
<i>Staining/Discoloring, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor Locker Room</i>								
Exposed Concrete	60%			LIFE	**	5	\$800	
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus And Basement</i>								
Plaster	25%	Now	\$1,400	LIFE	**	5	\$1,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%	Now	\$4,800	2057	**	5	\$100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : The Service Equipment Was Severely Damaged From Water Leaking On Components.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%	Now	\$48,800	2057	**	5	\$100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Severely Damaged From Water Leak.</i>								
Raceway								
Conduit	80%			2027	\$25,000	1		
Conduit	20%			2047	**	1		
Panelboards								
Molded Case Bkrs	80%			2026	\$30,800	5	\$100	
Molded Case Bkrs	20%			2035	**	5		
Wiring								
Thermoplastic	80%			2027	\$22,200	1		
Thermoplastic	20%			2037	**	1		

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 230
Asset # : 13122

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2025	\$14,400	5		
Ground								
Grounding Devices								
Generic	100%	Now	\$1,000	LIFE	**	5	\$100	
		<i>Other Observation, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Ground Wire Is In Poor Condition And Connections Are Severely Corroded.</i>						
Lighting								
Interior Lighting								
Fluorescent	30%			2027	\$3,700	10	\$1,200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : T8 Lamps</i>						
Incandescent	5%			2022	\$1,400	2		
LED	65%			2035	**			
Exterior Lighting								
HID	75%			2032	**	10		
HID	25%			2022	\$4,200	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2037	**	1		
Conversion Equipment								
Steam Boiler	100%			2032	**	1	\$4,500	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit</i>						
Distribution								
Central Plant Steam Piping/Pmp	100%			2037	**	4	\$200	
Terminal Devices								
Convactor/Radiator	100%			2032	**	1	\$1,500	
Air Conditioning								
Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Split Unit	15%			2027	\$13,500			
Window/Wall Unit	45%			2022	\$3,900	1		
No Component	40%							
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2	\$600	
No Component	90%							

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 230
Asset # : 13122

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
Distribution								
	Ductwork/Diffusers	10%			LIFE	**	2-5	\$300
	No Component	90%						
Exhaust Fans								
	Interior	20%			2032	**	2	
	Roof	10%			2027	\$700	2	
	No Component	70%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2037	**	1	
Water Heater								
	Gas Fired	100%			2022	\$2,600	2	\$100
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Two 75 Gallon Units</i>							
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%	Now	\$2,600	LIFE	**	1	
	<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>							
	<i>Location : Water Backs Up In Basement When It Rains</i>							
Sump Pump(s)								
	Submersible	100%			2020	\$100	4	\$100
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System								
	Wet	10%			2025	\$200	1-3	\$500
	No Component	90%						

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 231/LADDER 120
Address : 107 WATKINS STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.231 / 13123 **Yr Built/Renovated** : 1905 / 2002
Area Sq Ft : 9,700 **Project Type** : FIRE DEPARTMENT
Date of Survey : 29-Mar-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 3507 **Lot** : 5 **BIN** : 3000000

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$55,800	\$157,900
Interior Architecture		\$52,900
Electrical		\$36,600
Mechanical		\$197,200
Total	\$55,800	\$444,500
Importance Code A	\$55,800	\$157,900
Importance Code B		\$286,600
Total	\$55,800	\$444,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$85,300		\$700	
Interior Architecture	\$2,600		\$1,400	\$2,300
Electrical	\$6,300	\$700	\$700	\$700
Mechanical	\$17,300	\$1,400	\$7,600	\$1,400
Total	\$111,500	\$2,100	\$10,300	\$4,400
Importance Code A	\$86,300	\$1,000	\$1,600	\$1,000
Importance Code B	\$23,700	\$1,100	\$8,700	\$2,500
Importance Code C	\$1,500			\$900
Total	\$111,500	\$2,100	\$10,300	\$4,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 231/LADDER 120
Asset # : 13123

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%	0-2	\$55,800	LIFE	**	5	\$18,500	
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Front Facade Right Side</i>								
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : North, East, West At Top</i>								
Masonry: Granite	3%			LIFE	**	5	\$600	
Masonry: Limestone	5%	0-2	\$7,200	LIFE	**	5	\$1,000	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Metal Panel	2%	2-4	\$3,800	2053	**	5	\$1,000	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Front Facade At 3rd Floor</i>								
Stucco Cement	13%	4+	\$19,900	2028	\$99,400	5	\$4,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Right Facade At 1st Floor</i>								
Wood Overhead Doors	7%			2028	\$58,500	5	\$9,300	
Windows								
Aluminum	90%	Now	\$24,900	2048	**	5	\$300	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Aluminum	10%			2039	**	5	\$100	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$800	
Metal Rail	10%			2036	**	5-10	\$1,700	
Stucco Cement	80%			2028	\$20,000	5	\$2,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Throughout Parapet</i>								
Roof								
Modified Bitumen	40%			2028	\$23,100	10	\$4,000	
Roll Roofing	60%			2019	\$24,500	5	\$9,900	
Interior								
Floors								
Cast in Place Concrete	35%			LIFE	**	5	\$9,500	
Ceramic Tile	10%			2032	**	5	\$1,200	
Vinyl Tile	50%	0-2	\$1,100	2028	\$52,900	3	\$2,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Cellar</i>								
Wood	5%			2051	**	5	\$1,200	

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FIRE DEPARTMENT - 057
ENGINE CO. 231/LADDER 120
Asset # : 13123

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	10%			2032	**	5	\$1,800	
Concrete Masonry Unit	10%			LIFE	**	5	\$700	
Gypsum Board	10%	Now	\$1,500	LIFE	**	5	\$1,100	
<i>Other Observation, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Damage Due To Fuel Oil Spill (Spill Cleaned Up)</i>								
Masonry: Brick	10%			LIFE	**			
Plaster	35%			LIFE	**	5	\$1,900	
SGFT/Glazed Masonry	20%			LIFE	**			
Wood	5%			LIFE	**	5	\$3,600	
Ceilings								
AcousTileConcealSpLn	10%			2036	**	5	\$1,600	
Embossed Metal	80%			LIFE	**	5	\$4,500	
Exposed Struc: Steel	10%			LIFE	**			
Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2023	\$4,800	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Section</i>								
<i>Explanation : 200 Amp</i>								
Raceway								
Conduit	100%			2033	**	1		
Panelboards								
Molded Case Bkrs	100%	Now	\$1,900	2048	**	5	\$100	
<i>Covers Missing, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Basement, Apparatus Floor Boxes</i>								
Wiring								
Thermoplastic	100%			2033	**	1		
Motor Controllers								
Motor Control Center	100%			2028	\$14,400	5	\$300	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2036	**	1	\$3,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Section</i>								
<i>Explanation : 200 Amp, 208 V</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 231/LADDER 120
Asset # : 13123

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power Generators Diesel	100%			2032	**	1	\$3,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Parking Lot</i>								
<i>Explanation : 60 Kw/75 Kva, 208 V, 3 Phase</i>								
Batteries Lead/Acid	100%			2019	\$1,500	5	\$400	
Fuel Storage Day Tank	20%			2039	**	5	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Inside Generator Enclosure</i>								
<i>Explanation : 125 Gallon Diesel Fuel Oil Tank</i>								
Main Tank	80%			2038	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 550 Gallon Diesel Fuel Tank</i>								
Lighting Interior Lighting Fluorescent	27%			2028	\$7,100	10	\$2,400	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fluorescent	61%			2028	\$16,000	10	\$5,400	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fluorescent	7% Now		\$1,800	2033	**			
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Burnt Out</i>								
Incandescent	5%			2023	\$3,100	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : In T. V. Room</i>								
<i>Explanation : Downlights</i>								
Egress Lighting Emergency, Service No Component	50%			2023	\$2,400	1		
<i>No Component 50%</i>								
Exterior Lighting HID	100%			2023	\$36,600	10		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Facade And Side Parking Lot</i>								
<i>Explanation : Wall Mounted, Controlled Via Time Clock</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

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Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 231/LADDER 120
Asset # : 13123

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Total House</i>								
Conversion Equipment								
Steam Boiler	100%			2036	**	1	\$9,600	
Distribution								
Central Plant Steam Piping/Pmp	100%			2023	\$153,500	4	\$700	
Terminal Devices								
Convactor/Radiator	90%			2028	\$43,700	1	\$2,800	
Unit Heater - Steam	10%			2023	\$3,200	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	10%			2028	\$7,300	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Split Unit Serves Kitchen</i>								
Window/Wall Unit	80%			2019	\$15,100	1		
No Component	10%							
Heat Rejection								
Dry Cooler	10%			2028	\$4,400	2	\$700	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,400	
Exhaust Fans								
Interior	100%			2023	\$32,300	2	\$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2033	**	1		
<i>No Water Meter, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Water Heater								
Gas Fired	100%			2021	\$5,500	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2019	\$300	4	\$300	

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 231/LADDER 120
Asset # : 13123

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sewage Ejector(s) Electric	100%			2023	\$2,600	4	\$600
	Backflow Preventer No Component Generic	95% 5%			2028	\$100	1	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Serves Boiler Only</i>						
	Fixtures Generic	100%						
		<i>Obsolete Fixtures, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Total House</i>						

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 233/LADDER CO. 176
Address : 25 ROCKAWAY AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.233 / 13124 **Yr Built/Renovated** : 1974 / 1984
Area Sq Ft : 12,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,m,2
Block : 1512 **Lot** : 1 **BIN** : 3040990

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$336,600	
Interior Architecture		\$76,200
Electrical		\$153,000
Mechanical		\$134,400
Total	\$336,600	\$363,700
Importance Code A	\$336,600	
Importance Code B		\$363,700
Total	\$336,600	\$363,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$23,900	\$4,800		\$800
Interior Architecture	\$61,000	\$800		\$1,800
Electrical	\$10,300	\$2,700	\$1,500	\$4,800
Mechanical	\$23,900	\$1,600	\$1,900	\$10,800
Total	\$119,200	\$9,900	\$3,500	\$18,200
Importance Code A	\$24,500	\$5,400	\$600	\$1,500
Importance Code B	\$87,200	\$4,100	\$2,900	\$16,700
Importance Code C	\$7,500	\$400		
Total	\$119,200	\$9,900	\$3,500	\$18,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 233/LADDER CO. 176

Asset # : 13124

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Concrete Masonry Unit	45%	Now	\$161,700	LIFE	**	5	\$6,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Side Alley</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Entry Facade</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Above Overhead Doors - Main Facade</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Street Facades And Side Lot Entrance</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : North Facade @ 1st Floor Offices And Foundation Wall Below</i>								
Metal Panel	10%	Now	\$800	2037	**	5	\$4,100	
<i>Deformed/Dented, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : House Watch At Main Facade</i>								
Metal Sect. OHD	10%			2040	**	5	\$6,800	
Pre-Cast Concrete	25%			LIFE	**	5	\$17,800	
Stucco Cement	5%			2040	**	5	\$2,700	
Window Wall	5%	Now	\$52,500	2057	**	5	\$2,000	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : House Watch - Main Entrance, 1st And 2nd Floor</i>								
Windows								
Aluminum	97%	Now	\$23,100	2052	**	5	\$300	
<i>Air Infiltration, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Throughout</i>								
Metal Louvers	3%			2036	**	10	\$100	
Parapets								
Cast in Place Concrete	50%			LIFE	**	5	\$4,300	
Concrete Masonry Unit	25%			LIFE	**	5	\$200	
Metal Panel	20%			2037	**	5	\$600	
Metal Rail	5%			2032	**	5-10	\$700	

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FIRE DEPARTMENT - 057
ENGINE CO. 233/LADDER CO. 176
Asset # : 13124

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Modified Bitumen	100%	Now	\$122,400	2037		**		
<i>Alligatoring, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Main And Lower Roofs</i>								
<i>Blisters, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Main And Lower Roofs</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Main And Lower Roofs</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Above Kitchen</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Main And Lower Roofs</i>								
Interior								
Floors								
Cast in Place Concrete	40%	2-4	\$7,500	LIFE		**	5	\$15,700
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations In Apparatus Room</i>								
Ceramic Tile	5%			2030		**	5	\$900
Quarry Tile	5%			2032		**	5	\$1,300
Vinyl Tile	50%	Now	\$15,200	2027	\$76,200		3	\$3,400
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Sitting Area</i>								
Interior Walls								
Cast in Place Concrete	10%			LIFE		**		
Ceramic Tile	5%			2030		**	5	\$800
Concrete Masonry Unit	45%	4+	\$7,500	LIFE		**	5	\$2,700
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Various Locations Throughout</i>								
Gypsum Board	10%			LIFE		**	5	\$900
SGFT/Glazed Masonry	30%			LIFE		**		
Ceilings								
AcousTileSusp.Lay-In	15%	Now	\$21,800	2047		**	5	\$1,300
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Kitchen</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Kitchen</i>								
Exposed Concrete	35%			LIFE		**	5	\$1,000
Gypsum Board	50%	0-2	\$9,100	LIFE		**	5	\$11,200
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Mezzanine Offices</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 233/LADDER CO. 176
Asset # : 13124

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2027	\$4,800	5	\$300	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Main Service Disconnect Rated @ 500 Amperes</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2027	\$48,800	5	\$300	
Raceway								
Conduit	100%			2027	\$31,300	1		
Panelboards								
Molded Case Bkrs	100%			2026	\$38,500	5	\$300	
Wiring								
Thermoplastic	100%			2027	\$27,700	1		
Motor Controllers								
Locally Mounted	100%			2025	\$14,400	5	\$100	
Ground								
Grounding Devices								
Generic	100%	0-2	\$9,500	LIFE	**	5	\$200	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Boiler Room</i>						
		<i>Explanation : Corroded</i>						
Stand-by Power								
Transfer Switches								
Automatic	100%			2025	\$4,800	1	\$3,700	
Generators								
Diesel	100%			2023	\$65,700	1	\$4,700	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Emergency Generator Rated @ 62kw</i>						
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$400	
Fuel Storage								
Day Tank	50%			2026	\$400	5	\$1,100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 50 Gallons Rated Capacity</i>						
Main Tank	50%			2030	**	5	\$200	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 275 Gallons Rated Capacity</i>						

Lighting

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FIRE DEPARTMENT - 057
ENGINE CO. 233/LADDER CO. 176
Asset # : 13124

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting								
Fluorescent	70%			2027	\$22,800	10	\$7,700	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	5%			2027	\$1,600	10	\$600	
<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
LED	25%			2035	* *			
Egress Lighting								
Emergency, Service	50%			2022	\$2,900	1		
Exit, Service	50%			2022	\$700	1		
Exterior Lighting								
HID	20%			2027	\$9,000	10		
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2047	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2044	* *	1	\$5,900	
Distribution								
Hot Wtr Piping/Pump	100%			2035	* *	4	\$900	
Terminal Devices								
Convactor/Radiator	10%			2032	* *	1	\$400	
Fan Coil Unit/Heat	80%	Now	\$13,400	2027	\$134,400	1	\$2,800	
<i>Malfunctioning, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 6 Of Them Have Mechanical Defects.</i>								
<i>Other Observation, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
<i>Explanation : 15 Units.</i>								
Unit Heater - Steam	10%			2027	\$4,000	4	\$200	
Air Conditioning								
Energy Source								
Electricity	100%			2043	* *	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 233/LADDER CO. 176

Asset # : 13124

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Split Unit	15%			2032	**		
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : For Locker Room</i>								
<i>Explanation : 1 Unit. R-410a.</i>								
	Window/Wall Unit	30%			2022	\$7,000	1	
	Window/Wall Unit	30%	0-2	\$7,000	2027	\$7,000	1	
<i>On Extended Life, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Various</i>								
	No Component	25%						
Terminal Devices								
	Fan Coil - 2 Pipe	15%			2032	**	1	\$600
	No Component	85%						
Heat Rejection								
	Dry Cooler	15%			2032	**	2	\$1,300
	No Component	85%						
Ventilation								
Distribution								
	Ductwork/Diffusers	60%			LIFE	**	2-5	\$4,000
	No Component	40%						
Exhaust Fans								
	Roof	60%			2032	**	2	\$200
	No Component	40%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2037	**	1	
Water Heater								
	Gas Fired	100%			2025	\$6,800	2	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 75 Gallon Units</i>								
Sanitary Piping								
	Cast Iron	100%	Now	\$1,600	LIFE	**	1	
<i>Blockage /Clogged, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 1st Floor Sitting Area</i>								
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Non-Submersible	100%			2027	\$1,700	4	\$400
Fixtures								
	Generic	100%						
Fire Suppression								
Sprinkler								
	No Component	90%						
	Generic	10%			2037	**	1-2	\$300

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FIRE DEPARTMENT - 057
ENGINE CO. 233/LADDER CO. 176

Asset # : 13124

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Chemical System							
	Generic	100%			2022	\$1,900	1-3	\$4,000
<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : In Kitchen</i> <i>Explanation : 1 Unit</i>								

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 234 LADDER 123/BATTALION 38
Address : 1352 ST. JOHN'S PLACE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.234 / 13125 **Yr Built/Renovated** : 1977 /
Area Sq Ft : 10,355 **Project Type** : FIRE DEPARTMENT
Date of Survey : 28-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 1384 **Lot** : 8 **BIN** : 3037055

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$316,000	
Interior Architecture	\$51,200	
Electrical		\$153,000
Total	\$367,200	\$153,000
Importance Code A	\$316,000	
Importance Code B	\$51,200	\$153,000
Total	\$367,200	\$153,000

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$38,600			\$2,600
Interior Architecture	\$39,000	\$700		\$2,500
Electrical	\$700	\$2,500	\$1,300	\$4,800
Mechanical	\$13,700	\$1,400	\$1,300	\$15,100
Total	\$92,000	\$4,600	\$2,600	\$25,000
Importance Code A	\$39,100	\$500	\$500	\$3,300
Importance Code B	\$52,900	\$3,400	\$2,100	\$21,800
Importance Code C		\$700		
Total	\$92,000	\$4,600	\$2,600	\$25,000



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FIRE DEPARTMENT - 057
ENGINE CO. 234 LADDER 123/BATTALION 38
Asset # : 13125

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Concrete Masonry Unit	90%	Now	\$316,000	LIFE	**	5	\$12,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : On Both Sides Of Overhead Door And West Facade</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Entry Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 50%</i>								
<i>Location : All Facades</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Underside Of Soffits</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Duct Penetrations Along Side Elevation</i>								
Wood Overhead Doors	10%			2044	**	5	\$10,700	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Entry Facade</i>								
Windows								
Aluminum	100%	Now	\$22,300	2052	**	5	\$300	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	15%	0-2	\$3,000	LIFE	**	5	\$1,900	
<i>Repointing Failure, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main And Lower Roofs</i>								
Concrete Masonry Unit	60%	0-2	\$2,500	LIFE	**	5	\$1,100	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Metal Rail	15%			2032	**	5-10	\$4,300	
Stucco Cement	10%	Now	\$1,200	2040	**	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Interior Side Of Upper Parapet Wall</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Upper Roof</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 234 LADDER 123/BATTALION 38
Asset # : 13125

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Modified Bitumen	85%	2-4	\$3,500	2035	**			
<i>Debris Present, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Upper Roof</i>								
<i>Ridging, Extent : Light, Area Affected : 15%</i>								
<i>Location : South West Corner</i>								
Single Ply Membrane	15%	Now	\$700	2027	\$7,100			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Lower Roof - South And North Ends</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bunk Room</i>								
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$7,800	LIFE	**	5	\$16,500	
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
Ceramic Tile	5%	Now	\$1,500	2030	**	5	\$400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor Bathrooms And Officers Quarters</i>								
Quarry Tile	5%			2032	**	5	\$1,100	
Vinyl Tile	40%	0-2	\$51,200	2037	**	3	\$2,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Second Floor</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout 2nd Floor</i>								
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	10%			2030	**	5	\$1,500	
Concrete Masonry Unit	15%			LIFE	**	5	\$900	
Gypsum Board	30%			LIFE	**	5	\$2,600	
SGFT/Glazed Masonry	35%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	15%			2032	**	5	\$2,300	
Exposed Concrete	20%			LIFE	**	5	\$500	
Gypsum Board	65%	Now	\$29,700	LIFE	**	5	\$12,300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : 2nd Floor Office And Officer Bunk Room</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 234 LADDER 123/BATTALION 38
Asset # : 13125

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2027	\$4,800	5	\$300	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Main Service Disconnect Switch Rated @ 300 Amperes.</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2027	\$48,800	5	\$300	
Raceway								
Conduit	100%			2027	\$31,300	1		
Panelboards								
Molded Case Bkrs	100%			2026	\$38,500	5	\$300	
Wiring								
Thermoplastic	100%			2027	\$27,700	1		
Motor Controllers								
Locally Mounted	100%			2025	\$14,400	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2025	\$4,800	1	\$3,200	
Generators								
Diesel	100%			2023	\$65,700	1	\$4,000	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Generator Room</i>						
		<i>Explanation : Emergency Generator Rated @ 30 Kw</i>						
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$400	
Fuel Storage								
Day Tank	50%			2026	\$400	5	\$1,000	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 30 Gallons Rated Capacity</i>						
Main Tank	50%			2030	**	5	\$200	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Underground</i>						
		<i>Explanation : 1000 Gallons Rated Capacity</i>						
Lighting								
Interior Lighting								
Fluorescent	40%			2032	**	10	\$3,800	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
LED	60%			2035	**			
Egress Lighting								
Emergency, Service	100%			2027	\$5,100	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 234 LADDER 123/BATTALION 38
Asset # : 13125

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting

HID	20%			2027	\$7,800	10		
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Electricity	35%			2037	**	1		
Natural Gas	65%			2047	**	1		

Conversion Equipment

Furnace	30%			2035	**	1	\$1,500	
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Other Observation, Extent : Light, Area Affected : 30%

Location : Roof

Explanation : 1 Roof Top Package Unit

Hot Water Boiler	65%			2040	**	1	\$3,300	
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Other Observation, Extent : Light, Area Affected : 65%

Location : Basement Boiler Room

Explanation : 1 Unit

Radiant Heater	5%			2027	\$8,600	2	\$200	
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Distribution

Hot Wtr Piping/Pump	65%			2035	**	4	\$500	
No Component	35%							

Terminal Devices

Convactor/Radiator	40%			2032	**	1	\$1,300	
Unit Heater - Steam	25%	0-2	\$8,700	2037	**	4	\$200	

Other Observation, Extent : Light, Area Affected : 25%

Location : 1st Floor

Explanation : Aged Units, Serves Engine Bay

No Component	35%							
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Air Conditioning

Energy Source

Electricity	100%			2043	**	1		
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Conversion Equipment

Ext Pkg Unit - Heating/Cooling	30%			2035	**	2	\$200	
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Other Observation, Extent : Light, Area Affected : 30%

Location : Roof

Explanation : 1 Roof Top Unit. R-410a

Window/Wall Unit	30%			2022	\$6,100	1		
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No Component	40%							
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Ventilation

Distribution

Ductwork/Diffusers	30%			LIFE	**	2-5	\$1,700	
No Component	70%							

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FIRE DEPARTMENT - 057
ENGINE CO. 234 LADDER 123/BATTALION 38
Asset # : 13125

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
	Exhaust Fans							
	Roof	40%			2035	**	2	\$100
	Wall Unit	20%			2032	**	2	\$100
	No Component	40%						
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2037	**	1	
	Water Heater							
	Gas Fired	100%			2022	\$5,900	2	\$200
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : 2 Units.</i>				
	Sanitary Piping							
	Cast Iron	100%	Now	\$3,500	LIFE	**	1	
				<i>Blockage /Clogged, Extent : Moderate, Area Affected : 5%</i>				
				<i>Location : 1st Floor</i>				
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2020	\$300	4	\$300
	Fixtures							
	Generic	100%						
Fire Suppression								
	Sprinkler							
	No Component	95%						
	Generic	5%			2027	\$4,700	1-2	\$200
				<i>Other Observation, Extent : Light, Area Affected : 5%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : Limited Coverage</i>				
	Chemical System							
	Generic	100%			2022	\$1,900	1-3	\$4,000

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 235 / BATTALION 57
Address : 206 MONROE STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.235 / 13126 **Yr Built/Renovated** : 1895 /
Area Sq Ft : 4,733 **Project Type** : FIRE DEPARTMENT
Date of Survey : 31-May-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,3
Block : 1817 **Lot** : 48 **BIN** : 3051323

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$57,700	
Total	\$57,700	
Importance Code A	\$57,700	
Total	\$57,700	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$35,200		\$6,800	\$200
Interior Architecture	\$7,500		\$900	\$200
Electrical	\$1,900	\$400	\$18,600	\$300
Mechanical	\$6,400	\$600	\$3,500	\$600
Total	\$51,100	\$1,000	\$29,900	\$1,300
Importance Code A	\$35,700	\$500	\$7,300	\$700
Importance Code B	\$9,600	\$600	\$22,500	\$700
Importance Code C	\$5,800			
Total	\$51,100	\$1,000	\$29,900	\$1,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 235 / BATTALION 57
Asset # : 13126

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$57,700	LIFE	**	5	\$19,200	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : East Facade, South Facade, West Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : North Facade, West Facade</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Facade</i>								
Masonry: Limestone	10%			LIFE	**	5	\$2,100	
Metal Panel	10%			2053	**	5-10	\$18,800	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	10%			2036	**	5	\$13,700	
Windows								
Aluminum	100%	Now	\$2,900	2039	**	5	\$300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	90%	Now	\$9,700	LIFE	**	5	\$800	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Facade, West Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Facade, West Facade</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : No Access - Brick Parapet Has Been Completely Coated With Tar</i>								
Masonry: Limestone	10%	Now	\$2,900	LIFE	**	5	\$100	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Coping</i>								
Roof								
Asphalt Shingle	15%			2032	**	10	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : No Access</i>								
Built-Up (BUR)	80%	Now	\$2,800	2028	\$28,100			
<i>Vegetation Growth, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : First Floor Lounge Roof</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : No Access</i>								
Skylight, Metal/Glass	5%	Now	\$17,000	2043	**			
<i>Deformed/Dented, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 235 / BATTALION 57
Asset # : 13126

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$6,500	
Ceramic Tile	5%			2032	**	5	\$400	
Quarry Tile	5%			2036	**	5	\$600	
Vinyl Tile	50%			2033	**	3	\$1,400	
Interior Walls								
Ceramic Tile	5%	Now	\$500	2032	**	5	\$400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	15%			LIFE	**			
Plaster	75%	Now	\$5,300	LIFE	**	5	\$4,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Wood	5%			LIFE	**	5	\$3,500	
Ceilings								
AcousTileSusp.Lay-In	5%			2036	**	5	\$400	
Embossed Metal	35%			LIFE	**	5	\$1,200	
Exposed Struc: Steel	25%			LIFE	**			
Plaster	35%	Now	\$1,700	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Site Enclosure								
Fence/Gates								
Chain link	100%			2053	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2036	**			
Parking/Driveway								
Asphalt	60%			2032	**			
Cast in Place Concrete	40%			2036	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2049	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Service Area</i>								
<i>Explanation : One 200 Amperes Main Disconnect Switch</i>								
Raceway								
Conduit	80%			2023	\$25,000	1		
Conduit	20%			2049	**	1		
Panelboards								
Fused Disc Sw	10%			2045	**	5		
Molded Case Bkrs	90%			2045	**	5	\$100	

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 235 / BATTALION 57
Asset # : 13126

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Wiring								
	Thermoplastic	80%			2049	**	1	
	Thermoplastic	20%			2023	\$5,500	1	
Motor Controllers								
	Locally Mounted	100%			2021	\$14,400	5	
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$100
Stand-by Power								
Transfer Switches								
	Automatic	100%			2040	**	1	\$1,500
Generators								
	Diesel	100%			2036	**	1	\$1,800
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Outside</i>					
			<i>Explanation : One 81 Kva</i>					
Batteries								
	Lead/Acid	100%			2019	\$1,500	5	\$200
Fuel Storage								
	Main Tank	100%			2058	**	5	\$100
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Outside</i>					
			<i>Explanation : One 60 Gallons</i>					
Lighting								
Interior Lighting								
	Fluorescent	90%			2031	**	10	\$3,900
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
			<i>Explanation : T-8 Lamps</i>					
	Incandescent	10%			2031	**	2	
Egress Lighting								
	Emergency, Service	50%			2031	**	1	
	No Component	50%						
Exterior Lighting								
	HID	100%			2028	\$17,800	10	

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
Energy Source								
	Natural Gas	100%			2043	**	1	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 235 / BATTALION 57
Asset # : 13126

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Conversion Equipment Steam Boiler	100%			2036	**	1	\$4,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2033	**	4	\$200	
Terminal Devices								
Convactor/Radiator	90%			2028	\$21,300	1	\$1,400	
Unit Heater - Steam	10%			2023	\$1,600	4	\$100	
Air Conditioning								
Energy Source Electricity	100%			2031	**	1		
Conversion Equipment								
Window/Wall Unit	60%			2019	\$5,500	1		
No Component	40%							
Ventilation								
Exhaust Fans								
Roof	20%			2028	\$1,500	2		
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	60%			2043	**	1		
Galvanized Steel	40%			2028	\$7,800	1		
Water Heater								
Gas Fired	100%			2021	\$2,700	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units / 75 Gallons</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2019	\$200	4	\$200	
Backflow Preventer								
Generic	100%			2031	**	1	\$300	
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 236
Address : 998 LIBERTY AVENUE @ S. CONDUIT BLVD.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.236 / 13127 **Yr Built/Renovated** : 1895 / 2010
Area Sq Ft : 4,761 **Project Type** : FIRE DEPARTMENT
Date of Survey : 18-Jun-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,3
Block : 4194 **Lot** : 20 **BIN** : 3094289

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$57,300	\$52,600
Electrical	\$38,500	
Mechanical		\$75,300
Total	\$95,800	\$127,900
Importance Code A	\$57,300	\$52,600
Importance Code B	\$38,500	\$75,300
Total	\$95,800	\$127,900

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$46,400			
Interior Architecture	\$95,800			\$400
Electrical			\$14,400	\$100
Mechanical	\$12,200	\$600	\$3,400	\$600
Total	\$154,400	\$600	\$17,700	\$1,100
Importance Code A	\$46,900	\$500	\$500	\$500
Importance Code B	\$71,700	\$200	\$17,300	\$700
Importance Code C	\$35,800			
Total	\$154,400	\$600	\$17,700	\$1,100



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 236
Asset # : 13127

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$57,300	LIFE	**	5	\$19,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	3%	0-2	\$4,200	LIFE	**	5	\$500	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%	0-2	\$14,400	LIFE	**	5	\$1,800	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	7%			2028	\$52,600	5	\$8,300	
Windows								
Aluminum	100%	0-2	\$15,300	2031	**	5	\$600	
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$7,400	LIFE	**	5	\$1,500	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	90%	0-2	\$5,100	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Roof								
Asphalt Shingle	5%	Now		2032	**			
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Modified Bitumen	95%			2033	**	10	\$5,200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 236
Asset # : 13127

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior Floors								
Cast in Place Concrete	40%	0-2	\$3,200	LIFE	**	5	\$6,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	15%	0-2	\$1,100	2032	**	5	\$600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	45%	Now	\$14,900	2028	\$29,900	3	\$1,300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 3rd Floor Gymnasium Throughout</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 3rd Floor Throughout</i>								
Interior Walls								
Cast in Place Concrete	3%	0-2	\$1,100	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	25%	0-2	\$15,900	2032	**	5	\$1,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Concrete Masonry Unit	2%			LIFE	**	5	\$100	
Gypsum Board	20%	Now	\$2,900	LIFE	**	5	\$1,400	
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	20%	Now	\$4,500	LIFE	**			
<i>Diagonal Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Plaster	25%	Now	\$9,200	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor Bunk Room West And 3rd Floor Gymnasium West And South</i>								
<i>Water Penetration, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
SGFT/Glazed Masonry	5%	Now	\$2,200	LIFE	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 236
Asset # : 13127

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	10%	0-2	\$2,500	2028	\$6,300	5	\$400	
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Office</i>								
Embossed Metal	20%	4+	\$1,400	LIFE	**	5	\$700	
<i>Deformed/Dented, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Steel	20%	0-2	\$16,400	LIFE	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Gypsum Board	10%	Now	\$2,400	LIFE	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Metal Panel	5%			LIFE	**	5	\$500	
Plaster	35%	Now	\$17,900	LIFE	**	5	\$1,700	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 3rd Floor Throughout</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2023	\$4,800	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 200 Amperes</i>								
Raceway								
Conduit	100%			2023	\$31,300	1		
Panelboards								
Molded Case Bkrs	100%			2022	\$38,500	5	\$100	
Wiring								
Thermoplastic	100%			2023	\$27,700	1		
Motor Controllers								
Locally Mounted	100%			2021	\$14,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Main</i>								

Lighting

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 236
Asset # : 13127

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Interior Lighting Fluorescent	100%			2023	\$12,900	10	\$4,400	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Throughout

Explanation : T-8 And T-12 Lamps

Egress Lighting Exit, Service	50%			2023	\$300	1		
Exit, Battery	50%			2023	\$900	10	\$200	

Exterior Lighting HID	100%			2028	\$18,000	10		
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Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source Natural Gas	100%			2043	**	1		
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Conversion Equipment Steam Boiler	100%			2036	**	1	\$4,700	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : 1 Natural Gas Fired Steam Boiler

Distribution Central Plant Steam Piping/Pmp	100%			2023	\$75,300	4	\$400	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : Steam And Condensate Piping Are Original

Terminal Devices Convactor/Radiator	100%			2028	\$23,800	1	\$1,500	
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Other Observation, Extent : Light, Area Affected : 10%

Location : Captain Office

Explanation : New Radiators In Captain Office

Air Conditioning

Energy Source Electricity	100%			2039	**	1		
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Conversion Equipment Window/Wall Unit	100%			2019	\$9,300	1		
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Ventilation

Exhaust Fans Roof	10%			2028	\$700	2		
Wall Unit	20%			2023	\$300	2		
No Component	70%							

Plumbing

H/C Water Piping Brass/Copper	100%			2033	**	1		
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 236
Asset # : 13127

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Water Heater Gas Fired	100%			2021	\$2,700	2	\$100	
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%	Now	\$1,900	LIFE	**	1		
<i>Leak Evident, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : North - East Corner Roof Drain Pipe, Probable Cracked Roof Drain Piping</i>								
Sump Pump(s) Submersible	100%	0-2	\$200	2019	\$200	4	\$100	
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement, Defective Submersible Pump</i>								
Backflow Preventer No Component Generic	90%			2028	\$100	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Boiler Only</i>								
Fixtures								
Generic	100%							

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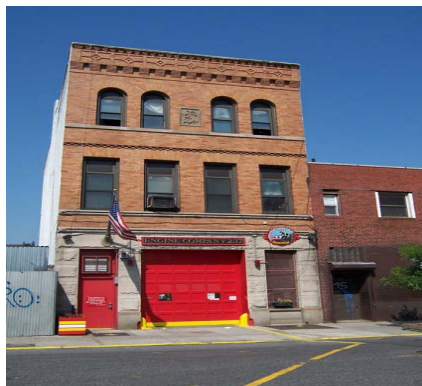
Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 237
Address : 43 MORGAN AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.237 / 13128 **Yr Built/Renovated** : 1894 /
Area Sq Ft : 5,810 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Jun-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 3102 **Lot** : 23 **BIN** : 3071494

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$80,300
Interior Architecture		\$48,900
Electrical	\$38,500	\$48,800
Mechanical		\$91,900
Total	\$38,500	\$269,900
Importance Code A		\$80,300
Importance Code B	\$38,500	\$140,700
Importance Code C		\$48,900
Total	\$38,500	\$269,900

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$19,400			
Interior Architecture	\$86,400	\$200	\$600	\$200
Electrical	\$31,400		\$4,800	\$100
Mechanical	\$24,900	\$800	\$33,200	\$800
Total	\$162,000	\$1,000	\$38,600	\$1,100
Importance Code A	\$19,900	\$600	\$600	\$600
Importance Code B	\$104,700	\$400	\$38,100	\$500
Importance Code C	\$37,400			
Total	\$162,000	\$1,000	\$38,600	\$1,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 237
Asset # : 13128

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	77%			LIFE	**	5	\$19,600	
<i>Painted Surfaces, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : South Facade</i>								
Masonry: Granite	3%			LIFE	**	5	\$600	
Masonry: Limestone	10%			LIFE	**	5	\$1,900	
Wood Overhead Doors	10%			2028	\$80,300	5	\$12,700	
Windows								
Aluminum	100%			2039	**	5	\$1,300	
Parapets								
Masonry: Brick	80%	Now	\$6,900	LIFE	**	5	\$1,200	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Interior Face</i>								
Masonry: Limestone	10%			LIFE	**	5	\$200	
Masonry: Sandstone	5%			LIFE	**	5	\$100	
Metal Panel	5%			2033	**	5	\$300	
Roof								
Built-Up (BUR)	5%			2023	\$1,600	10	\$400	
Modified Bitumen	80%	Now	\$6,500	2023	\$32,600			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Second Floor Office</i>								
Roll Roofing	15%			2019	\$4,300	5	\$1,800	
Interior								
Floors								
Carpet	5%			2019	\$5,500	3	\$900	
Cast in Place Concrete	42%			LIFE	**	5	\$7,900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor Slab</i>								
<i>Explanation : Steel Columns And Beams Shoring Up Apparatus Floor Slab From Basement</i>								
Ceramic Tile	10%	Now	\$3,300	2026	\$16,700	5	\$400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Toilet</i>								
Vinyl Tile	18%			2023	\$13,200	3	\$600	
Wood	25%			2038	**	5	\$4,000	

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 237
Asset # : 13128

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	15%	Now	\$9,800	2026	\$48,900	5	\$900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Apparatus Floor</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Apparatus Floor</i>								
Masonry: Brick	30%	Now	\$27,600	LIFE	**			
<i>Paint Peeling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Plaster	40%			LIFE	**	5	\$1,400	
Wood	15%			LIFE	**	5	\$7,100	
Ceilings								
AcousTileSusp.Lay-In	15%			2036	**	5	\$1,300	
Embossed Metal	35%	Now	\$15,900	LIFE	**	5	\$1,400	
<i>Bent/Warped Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Apparatus Floor</i>								
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Apparatus Floor</i>								
Masonry: Infill Arch	25%	Now	\$23,600	LIFE	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded Steel Beams</i>								
Metal Panel	5%			LIFE	**	5	\$500	
Plaster	20%	Now	\$500	LIFE	**	5	\$1,100	
<i>Water Penetration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 3rd Floor At Pipe And At Windows</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2023	\$4,800	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Switch Rated @ 200 Amperes</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2023	\$48,800	5	\$200	

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 237
Asset # : 13128

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Raceway								
Conduit	100%			2023	\$31,300	1		
Panelboards								
Molded Case Bkrs	100%			2022	\$38,500	5	\$200	
Wiring								
Thermoplastic	100%			2033	**	1		
Ground								
Grounding Devices								
Metal Water Pipe	100%	Now	\$9,500	2043	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Near Water Service.</i>								
<i>Explanation : Main Ground Has Been Disconnected Due To A Water Service Change.</i>								
Lighting								
Interior Lighting								
Fluorescent	90%			2031	**	10	\$4,800	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
HID	10%			2031	**	10		
Exterior Lighting								
HID	100%			2019	\$21,900	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Steam Boiler	100%			2036	**	1	\$5,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2023	\$91,900	4	\$400	
Terminal Devices								
Convactor/Radiator	100%			2021	\$29,100	1	\$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2031	**	1		
Conversion Equipment								
Window/Wall Unit	60%			2019	\$6,800	1		
No Component	40%							
Ventilation								

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FIRE DEPARTMENT - 057
ENGINE CO. 237
Asset # : 13128

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Exhaust Fans								
Roof	20%			2019	\$1,800	2		
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	70%	Now	\$2,800	2023	\$28,300	1		
			<i>Corroded, Extent : Severe, Area Affected : 30%</i>					
			<i>Location : Basement</i>					
Galvanized Steel	30%	Now	\$7,200	2043	**	1		
			<i>Corroded, Extent : Severe, Area Affected : 70%</i>					
			<i>Location : Basement</i>					
Water Heater								
Gas Fired	100%			2021	\$3,300	2	\$100	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 Units - 74 Gallon Each</i>					
Sanitary Piping								
Cast Iron	100%	Now	\$4,000	LIFE	**	1		
			<i>Corroded, Extent : Severe, Area Affected : 30%</i>					
			<i>Location : Basement</i>					
Storm Drain Piping								
Cast Iron	100%	Now	\$1,100	LIFE	**	1		
			<i>Corroded, Extent : Severe, Area Affected : 30%</i>					
			<i>Location : Basement</i>					
Sump Pump(s)								
Submersible	100%			2019	\$200	4	\$200	
Fixtures								
Generic	100%							

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 238/LADDER CO. 106
Address : 205 GREENPOINT AVENUE @ MCGUINNESS BLVD.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.238 / 13129 **Yr Built/Renovated** : 1972 /
Area Sq Ft : 10,262 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2560 **Lot** : 50 **BIN** : 3064786

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$100,800	\$87,800
Electrical		\$87,300
Total	\$100,800	\$175,000
Importance Code A	\$100,800	\$87,800
Importance Code B		\$87,300
Total	\$100,800	\$175,000

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$20,100			\$4,500
Interior Architecture	\$58,000	\$2,200		\$400
Electrical	\$700	\$2,400	\$800	\$7,700
Mechanical	\$1,200	\$1,600	\$5,000	\$1,900
Total	\$79,900	\$6,200	\$5,800	\$14,500
Importance Code A	\$20,600	\$500	\$500	\$5,200
Importance Code B	\$52,700	\$4,700	\$5,300	\$9,400
Importance Code C	\$6,700	\$1,100		
Total	\$79,900	\$6,200	\$5,800	\$14,500



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 238/LADDER CO. 106

Asset # : 13129

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	10%			LIFE	**	5	\$12,200	
Masonry: Brick Cavity	85%			LIFE	**	5	\$20,800	
Wood Overhead Doors	5%			2032	**	5	\$6,100	
Windows								
Aluminum	100%	2-4	\$100,800	2052	**	5	\$1,200	2
<i>Air Infiltration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 25%</i>								
<i>Location : 2nd Floor Windows</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Various Locations Throughout</i>								
Parapets								
Cast in Place Concrete	30%	2-4	\$2,500	LIFE	**	5	\$8,200	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Joints Throughout</i>								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$1,000	
Masonry: Brick	50%			LIFE	**	5	\$1,300	
Metal Rail	5%			2032	**	5-10	\$2,400	
No Component	10%							
Roof								
Modified Bitumen	100%	Now	\$17,600	2027			\$87,800	
<i>Alligatoring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Both Roofs</i>								
<i>Blisters, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Ridging, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout Both Roofs</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Lower Roof Where Kitchen Abuts Garage</i>								
Interior								
Floors								
Cast in Place Concrete	57%	0-2	\$9,100	LIFE	**	5	\$19,200	
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Through Slab In Basement Tank Room</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement Slab Throughout</i>								
Ceramic Tile	15%			2040	**	5	\$2,300	
<i>Recent Installation, Extent : Light, Area Affected : 90%</i>								
<i>Location : 2nd Floor Bath And Locker Rooms</i>								
Terrazzo	8%			LIFE	**	5	\$1,000	
Vinyl Tile	20%	0-2	\$5,200	2027		3	\$1,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor And Basement</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor And Basement</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 238/LADDER CO. 106
Asset # : 13129

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Cast in Place Concrete	10%	Now	\$6,700	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations Throughout Basement</i>								
Ceramic Tile	10%			2040	**	5	\$2,100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 90%</i>								
<i>Location : 2nd Floor Bath And Locker Rooms</i>								
Concrete Masonry Unit	15%			LIFE	**	5	\$1,300	
Gypsum Board	5%			LIFE	**	5	\$600	
Plaster	30%			LIFE	**	5	\$1,900	
SGFT/Glazed Masonry	30%			LIFE	**			
Ceilings								
AcousTileConcealSpLn	35%	0-2	\$8,700	2044	**	5	\$3,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor</i>								
Exposed Concrete	45%	Now	\$22,200	LIFE	**	5	\$1,100	
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Connecting Soffit Between Kitchen And Apparatus Room</i>								
Metal Panel	10%	4+	\$5,100	LIFE	**	5	\$1,900	
<i>Deformed/Dented, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout Kitchen</i>								
Plaster	10%	Now	\$1,000	LIFE	**	5	\$1,000	
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Gymnasium Ceiling - From Roof Penetrations Above</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2027	\$4,800	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated @ 400 Amperes</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2027	\$48,800	5	\$300	
Raceway								
Conduit	100%			2027	\$31,300	1		
Panelboards								
Molded Case Bkrs	100%			2026	\$38,500	5	\$300	
Wiring								
Thermoplastic	100%			2027	\$27,700	1		

Ground

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FIRE DEPARTMENT - 057
ENGINE CO. 238/LADDER CO. 106
Asset # : 13129

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Basement</i>								
<i>Explanation : Connected To Metal Water Pipe. Point Of Contact Not Visible Covered With Insulation</i>								
Stand-by Power								
Transfer Switches Automatic	100%			2040	**	1	\$3,200	
Generators								
Diesel	100%			2036	**	1	\$4,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Emergency Generator Rated @ 55 Kw</i>								
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$400	
Fuel Storage								
Main Tank	100%			2042	**	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 275 Gallons Rated Capacity</i>								
Lighting								
Interior Lighting								
Fluorescent	70%			2032	**	10	\$6,600	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor And Basement</i>								
LED	30%			2035	**			
Egress Lighting								
Emergency, Service	70%			2032	**	1		
Exit, LED	30%			2062	**	1		
Exterior Lighting								
HID	20%			2027	\$7,700	10		
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2040	**	1	\$5,100	
Distribution								
Hot Wtr Piping/Pump	100%			2043	**	4	\$800	

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 238/LADDER CO. 106
Asset # : 13129

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
	Terminal Devices							
	Convactor/Radiator	90%			2040	**	1	\$3,000
	Unit Heater - Steam	10%			2032	**	4	\$100
Air Conditioning								
	Energy Source							
	Electricity	100%			2049	**	1	
	Conversion Equipment							
	Window/Wall Unit	20%			2025	\$4,000	1	
	Under Construction	80%						
	Distribution							
	Ductwork/Diffusers	100%			LIFE	**	2	\$13,400
	Terminal Devices							
	Air Handler/Dir	50%			2032	**	1	
	Expansion							
	No Component	50%						
	Heat Rejection							
	Dry Cooler	50%			2032	**	2	\$3,600
	No Component	50%						
Ventilation								
	Distribution							
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,700
	Exhaust Fans							
	Interior	50%			2032	**	2	\$200
	Roof	50%			2032	**	2	\$200
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2053	**	1	
	Water Heater							
	Gas Fired	100%			2025	\$5,900	2	\$200
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : 2 - 75 Gallon Units</i>				
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%	Now	\$100	2022	\$300	4	\$200
				<i>Not in Service, Extent : Severe, Area Affected : 100%</i>				
				<i>Location : Cellar</i>				
	Fixtures							
	Generic	100%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 239
Address : 395 4th AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.239 / 13130 **Yr Built/Renovated** : 1895 / 2008
Area Sq Ft : 4,600 **Project Type** : FIRE DEPARTMENT
Date of Survey : 14-Jun-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,3
Block : 993 **Lot** : 5 **BIN** : 3021578

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$32,100	\$300	\$6,700	
Interior Architecture	\$200	\$2,200	\$200	\$200
Electrical	\$1,900	\$600	\$5,000	\$300
Mechanical	\$700	\$500	\$1,100	\$3,100
Total	\$34,900	\$3,700	\$13,000	\$3,600
Importance Code A	\$32,300	\$600	\$6,900	\$200
Importance Code B	\$2,600	\$3,100	\$6,100	\$3,400
Importance Code C				
Total	\$34,900	\$3,700	\$13,000	\$3,600



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 239
Asset # : 13130

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	85%	Now	\$12,100	LIFE	**	5	\$20,100	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	5%			LIFE	**	5	\$900	
Metal/Glass Curt Wall	10%	Now	\$18,700	LIFE	**	5	\$4,400	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%			2045	**	5	\$700	
Parapets								
Masonry: Brick	90%			LIFE	**	5	\$1,400	
Masonry: Limestone	10%			LIFE	**	5	\$200	
Roof								
Modified Bitumen	90%			2031	**	10	\$6,700	
Plaza Roof: Stone Panels	5%			2049	**			
Skylight, Metal/Glass	5%			2049	**	10	\$1,200	
Interior								
Floors								
Cast in Place Concrete	75%			LIFE	**	5	\$13,200	
Ceramic Tile	5%			2036	**	5	\$400	
Vinyl Tile	20%			2031	**	3	\$800	
Interior Walls								
Cast in Place Concrete	5%			LIFE	**			
Concrete Masonry Unit	10%			LIFE	**	5	\$400	
Gypsum Board	70%			LIFE	**	5	\$4,600	
SGFT/Glazed Masonry	10%			LIFE	**			
Wood	5%			LIFE	**	5	\$2,200	
Ceilings								
AcousTileSusp.Lay-In	55%			2040	**	5	\$4,400	
Embossed Metal	25%			LIFE	**	5	\$900	
Exposed Struc: Steel	20%			LIFE	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2049	**	5		
Transformers								
Dry Type	100%			2040	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 30 Kva 208hv-208/120lv</i>								
Raceway								
Conduit	100%			2049	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 239
Asset # : 13130

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Panelboards								
	Fused Disc Sw	20%			2045	**	5	
	Molded Case Bkrs	80%			2045	**	5	\$100
Wiring								
	Thermoplastic	100%			2049	**	1	
Motor Controllers								
	Locally Mounted	100%			2040	**	5	
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$100
Stand-by Power								
Transfer Switches								
	Automatic	100%			2040	**	1	\$1,400
Generators								
	Diesel	100%			2036	**	1	\$1,800
				<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : One 180 Kw</i>				
Batteries								
	Lead/Acid	100%			2019	\$1,500	5	\$200
Fuel Storage								
	Day Tank	50%			2045	**	5	\$400
				<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Basement - Generator Room</i>				
				<i>Explanation : One 50 Gallons</i>				
	Main Tank	50%			2038	**	5	\$100
				<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : One 550 Gallons</i>				
Lighting								
Interior Lighting								
	Fluorescent	90%			2031	**	10	\$3,800
				<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Throughout The Building</i>				
				<i>Explanation : T-8 Lamps</i>				
	Fluorescent	10%			2031	**	10	\$400
				<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Stairway</i>				
				<i>Explanation : T-5 Lamps</i>				
Egress Lighting								
	Emergency, Service	50%			2031	**	1	
	Exit, LED	50%			2058	**	1	
Exterior Lighting								
	Fluorescent	100%			2031	**	10	\$400
				<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Outside</i>				
				<i>Explanation : T-5 Lamps</i>				

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 239
Asset # : 13130

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lightning Protection
 Arresters/Cabling
 Under Construction

100%

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2049

* *

1

Conversion Equipment

Furnace

50%

2031

* *

1

\$1,100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Roof**Explanation : 3 Roof Top Air Conditioning Units With Gas Fired Furnaces*

Hot Water Boiler

50%

2040

* *

1

\$1,100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 1 Natural Gas Fired Hot Water Boiler*

Distribution

Hot Wtr Piping/Pump

100%

2045

* *

4

\$200

Terminal Devices

Air Handler

30%

2031

* *

1

\$900

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : H And V Unit Serves Boiler And Emergency Generator Engine Rooms*

Fan Coil Unit/Heat

20%

2031

* *

1

\$300

*Other Observation, Extent : Light, Area Affected : 100%**Location : Apparatus Floor**Explanation : Unit Heaters Serve Apparatus Floor*

No Component

50%

Air Conditioning

Energy Source

Electricity

100%

2045

* *

1

Conversion Equipment

Ext Pkg Unit -

Heating/Cooling

100%

2031

* *

2

\$300

Terminal Devices

Fan Coil - 2 Pipe

20%

2031

* *

1

\$300

No Component

80%

Ventilation

Distribution

Ductwork/Diffusers

100%

LIFE

* *

2-5

\$2,600

Exhaust Fans

Roof

100%

2031

* *

2

\$100

Plumbing

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FIRE DEPARTMENT - 057
ENGINE CO. 239
Asset # : 13130

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
H/C Water Piping Brass/Copper	100%			2049	**	1		
Water Heater Gas Fired	100%			2022	\$2,600	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Non-Submersible	100%			2031	**	4	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units</i>								
Backflow Preventer Generic	100%			2031	**	1	\$300	
Fixtures Generic	100%							
Fire Suppression								
Sprinkler Generic	100%			2049	**	1-2	\$1,300	

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 24 /LADDER CO. 5
Address : 227 AVENUE OF THE AMERICAS
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.024 / 13018 **Yr Built/Renovated** : 1975 /
Area Sq Ft : 9,376 **Project Type** : FIRE DEPARTMENT
Date of Survey : 27-Mar-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 520 **Lot** : 37 **BIN** : 1080044

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$159,600
Interior Architecture	\$59,600	\$62,300
Electrical	\$96,500	
Mechanical		\$80,100
Total	\$156,100	\$302,000
Importance Code A		\$159,600
Importance Code B	\$156,100	\$142,500
Total	\$156,100	\$302,000

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$52,300			
Interior Architecture	\$30,600		\$1,400	\$900
Electrical	\$7,600	\$700	\$15,200	\$800
Mechanical	\$13,100	\$1,600	\$1,500	\$1,600
Total	\$103,500	\$2,300	\$18,100	\$3,200
Importance Code A	\$52,700	\$500	\$500	\$500
Importance Code B	\$50,800	\$1,800	\$17,100	\$2,700
Importance Code C			\$600	
Total	\$103,500	\$2,300	\$18,100	\$3,200



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 24 /LADDER CO. 5
Asset # : 13018

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	90%	4+	\$32,300	LIFE	**	5	\$21,400	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade On The Right</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 15%</i>								
<i>Location : Ivy Growth At Front And Left Facade</i>								
Wood Overhead Doors	10%			2028	\$75,200	5	\$11,900	
Windows								
Aluminum	100%	Now	\$20,000	2031	**	5	\$800	
<i>Air Infiltration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	15%			LIFE	**	5	\$4,100	
Masonry: Brick	85%			LIFE	**	5	\$3,000	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : All Roofs</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 30%</i>								
<i>Location : South Wall Of Parapet</i>								
Roof								
Modified Bitumen	100%			2028	\$84,400	10	\$14,500	
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$12,300	
Ceramic Tile	5%			2026	\$13,600	5	\$700	
Quarry Tile	5%			2036	**	5	\$1,100	
Vinyl Tile	50%	2-4	\$11,900	2019	\$59,600	3	\$2,600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2026	\$31,300	5	\$1,100	
Concrete Masonry Unit	30%			LIFE	**	5	\$2,700	
Plaster	10%			LIFE	**	5	\$700	
Plywood/Hardboard	10%			LIFE	**			
SGFT/Glazed Masonry	45%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	55%	4+	\$18,700	2028	\$62,300	5	\$3,900	
<i>Worn/Eroded, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Exposed Concrete	35%			LIFE	**	5	\$800	
Gypsum Board	10%			LIFE	**	5	\$1,800	

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FIRE DEPARTMENT - 057
ENGINE CO. 24 /LADDER CO. 5
Asset # : 13018

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2043	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Section</i>								
<i>Explanation : Main Disconnect Switch 300 Amp</i>								
Raceway								
Conduit	100%			2023	\$31,300	1		
Panelboards								
Molded Case Bkrs	80%			2022	\$30,800	5	\$200	
Molded Case Bkrs	20%			2039	**	5	\$100	
Wiring								
Thermoplastic	100%			2023	\$27,700	1		
Motor Controllers								
Locally Mounted	100%			2021	\$14,400	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2040	**	1	\$2,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Section</i>								
<i>Explanation : 200 Amperes Automatic Transfer Switch</i>								
Generators								
Diesel	100%	Now	\$65,700	2038	**	1	\$3,300	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Lower Roof</i>								
<i>Explanation : The Generator Cannot Start- Up. Several Attempts Have Failed To Repair Generator Start- Up System.</i>								
Batteries								
Lead/Acid	100%	Now	\$1,500	2019	\$1,500	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Inside Generator Enclosure On Lower Roof</i>								
<i>Explanation : One Of Conductors Is Not Connected To Battery Terminal</i>								
Fuel Storage								
Day Tank	5%			2045	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Inside Emergency Generator Enclosure, Lower Roof</i>								
<i>Explanation : 50 Gallon Sub- Base Belly Day Tank</i>								
Main Tank	95%			2051	**	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Underground Inside The Building</i>								
<i>Explanation : 1,000 Gallon Diesel Fuel Tank</i>								

Lighting

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 24 /LADDER CO. 5
Asset # : 13018

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting								
Fluorescent	90%			2028	\$22,900	10	\$7,700	
	<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
Fluorescent	5%	Now	\$1,300	2033		**		
	<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
	<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
Incandescent	5%			2019	\$3,000	2		
Egress Lighting								
Emergency, Service	50%			2028	\$2,300	1		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
	<i>Explanation : Emergency Lighting Provided From Emergency Generator</i>							
No Component	50%							
Exterior Lighting								
HID	95%			2023	\$33,600	10		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Facade</i>							
	<i>Explanation : Controlled Via Photocell</i>							
Incandescent	5%			2023	\$1,500	2		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Yard</i>							
	<i>Explanation : Controlled Via Switch</i>							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2049		**	1	
Conversion Equipment								
Hot Water Boiler	100%			2040		**	1	\$4,600
Distribution								
Hot Wtr Piping/Pump	100%			2031		**	4	\$700
Terminal Devices								
Convactor/Radiator	80%			2028	\$37,500	1	\$2,400	
Unit Heater - Steam	20%			2023	\$6,300	4	\$300	
Air Conditioning								
Energy Source								
Electricity	100%			2031		**	1	

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 24 /LADDER CO. 5
Asset # : 13018

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Exterior Pkg Unit - Cooling	60%			2028	\$42,600	2	\$300
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 6 Split Units</i>						
	Window/Wall Unit	20%			2019	\$3,700	1	
	No Component	20%						
Heat Rejection								
	Dry Cooler	60%			2028	\$22,900	2	\$3,900
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : Split Units</i>						
	No Component	40%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,200
Exhaust Fans								
	Roof	100%	Now	\$2,900	2023	\$14,600	2	\$200
		<i>Unit Inoperable, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Roof</i>						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2033	**	1	
Water Heater								
	Gas Fired	100%			2019	\$5,300	2	\$100
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 - 75 Gallon Units</i>						
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Non-Submersible	100%			2023	\$1,300	4	\$300
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Duplex Unit</i>						
Backflow Preventer								
	No Component	95%						
	Generic	5%			2028	\$100	1	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Serves Boiler Only</i>						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 24 /LADDER CO. 5
Asset # : 13018

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component	% of	Fail Date	Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost	Priority
	Type	Total	(Years)		FY		(Yrs)		

Plumbing

 Fixtures

 Generic

100%

Leaking Faucets/Valves/Heads, Extent : Moderate, Area Affected : 10%

Location : Bathrooms

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 240
Address : 1307 PROSPECT AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.240 / 13131 **Yr Built/Renovated** : 1895 / 2000
Area Sq Ft : 5,090 **Project Type** : FIRE DEPARTMENT
Date of Survey : 27-Jun-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5285 **Lot** : 21 **BIN** : 3122838

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$37,000	\$99,800
Electrical	\$19,200	
Total	\$56,300	\$99,800
Importance Code A	\$37,000	\$99,800
Importance Code B	\$19,200	
Total	\$56,300	\$99,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$5,800			
Interior Architecture	\$41,000		\$300	\$600
Electrical	\$35,000	\$400	\$500	\$400
Mechanical	\$9,600	\$700	\$39,800	\$700
Total	\$91,500	\$1,000	\$40,500	\$1,700
Importance Code A	\$6,300	\$500	\$500	\$500
Importance Code B	\$83,900	\$500	\$40,000	\$1,200
Importance Code C	\$1,200			
Total	\$91,500	\$1,000	\$40,500	\$1,700



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 240
Asset # : 13131

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$37,000	LIFE	**	5	\$12,300	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : North Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : East Facade</i>								
Masonry: Limestone	20%			LIFE	**	5	\$2,600	
Wood Overhead Doors	10%			2028	\$55,500	5	\$8,800	
Windows								
Aluminum	100%	Now	\$5,800	2045	**	5	\$700	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Batallion 48 Office</i>								
Parapets								
Masonry: Brick	90%			LIFE	**	5	\$2,100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	5%			LIFE	**	5	\$100	
Pre-Cast Concrete	5%			LIFE	**	5	\$700	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Coping</i>								
Roof								
Modified Bitumen	98%			2028	\$44,300	10	\$7,600	
Skylight, Metal/Glass	2%			2033	**	10	\$500	
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$7,500	
Ceramic Tile	5%			2032	**	5	\$400	
Quarry Tile	5%			2036	**	5	\$600	
Vinyl Tile	45%	Now	\$29,100	2033	**	3	\$1,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Locker Room</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor, Locker Room</i>								
Interior Walls								
Masonry: Brick	10%			LIFE	**			
Plaster	20%	Now	\$1,200	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Batallion 48</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Batallion 48</i>								
Plaster	70%			LIFE	**	5	\$1,600	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 240
Asset # : 13131

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	40%			2028	\$24,600	5	\$3,000	
Embossed Metal	40%	Now	\$10,700	LIFE	**	5	\$1,400	
<i>Bent/Warped Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Apparatus Floor</i>								
Exposed Concrete	20%			LIFE	**	5	\$200	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2033	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Switch Rated @ 200 Amperes</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2033	**	5	\$100	
Raceway								
Conduit	100%			2033	**	1		
Panelboards								
Molded Case Bkrs	50%			2022	\$19,200	5	\$100	
Molded Case Bkrs	50%			2031	**	5	\$100	
Wiring								
Thermoplastic	100%			2033	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2036	**	1	\$1,600	
Generators								
Diesel	100%			2032	**	1	\$2,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Diesel Generator Rated @ 60 Kw</i>								
Batteries								
Lead/Acid	100%			2019	\$1,500	5	\$200	
Fuel Storage								
Main Tank	100%			2051	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : No Available Capacity Ratings</i>								
Lighting								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 240
Asset # : 13131

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	75%			2019	\$10,300	10	\$3,500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement, 1st Floor</i>								
<i>Explanation : T-12 Lamps</i>								
Fluorescent	25%			2023	\$3,400	10	\$1,200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : T-8 Lamps</i>								
Egress Lighting Emergency, Service	100%			2023	\$2,500	1		
Exterior Lighting HID	100%			2019	\$19,200	10		
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Natural Gas	100%			2043	**	1		
Conversion Equipment Steam Boiler	100%			2036	**	1	\$5,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution Central Plant Steam Piping/Pmp	100%			2033	**	4	\$300	
Terminal Devices Convactor/Radiator	100%			2021	\$25,500	1	\$1,600	
Air Conditioning								
Energy Source Electricity	100%			2031	**	1		
Conversion Equipment Window/Wall Unit	60%			2019	\$6,000	1		
No Component	40%							
Ventilation								
Distribution Ductwork/Diffusers	30%			LIFE	**	2-5	\$900	
No Component	70%							
Exhaust Fans Roof	10%			2028	\$800	2		
Roof	20%	Now	\$1,600	2033	**	2		
<i>Unit Inoperable, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2 Old Units, Roof</i>								
No Component	70%							

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FIRE DEPARTMENT - 057
ENGINE CO. 240
Asset # : 13131

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
H/C Water Piping								
Brass/Copper	50%			2043	**	1		
Galvanized Steel	50%	Now	\$1,000	2021	\$10,400	1		
		<i>Corroded, Extent : Severe, Area Affected : 20%</i>						
		<i>Location : Basement</i>						
<hr/>								
Water Heater								
Gas Fired	100%			2021	\$2,900	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 Units</i>						
<hr/>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
<hr/>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
<hr/>								
Sump Pump(s)								
Submersible	100%	Now	\$200	2019	\$200	4	\$100	
		<i>On Extended Life, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
<hr/>								
Fixtures								
Generic	100%							

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 241
Address : 6630 THIRD AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.241 / 13132 **Yr Built/Renovated** : 1970 /
Area Sq Ft : 8,575 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Apr-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5841 **Lot** : 40 **BIN** : 3144349

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$76,100	\$151,000
Interior Architecture	\$38,100	
Mechanical	\$115,600	
Total	\$229,900	\$151,000
Importance Code A	\$131,800	\$151,000
Importance Code B	\$98,100	
Total	\$229,900	\$151,000

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$31,900		\$2,200	
Interior Architecture	\$58,400			\$600
Electrical	\$18,700		\$100	
Mechanical	\$15,900	\$700	\$5,900	\$600
Total	\$124,900	\$800	\$8,200	\$1,200
Importance Code A	\$31,900	\$400	\$2,600	\$400
Importance Code B	\$71,600	\$300	\$5,600	\$800
Importance Code C	\$21,400			
Total	\$124,900	\$800	\$8,200	\$1,200



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 241
Asset # : 13132

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	2-4	\$20,900	LIFE	**	5	\$13,800	
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Entrance Door</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Stucco Cement	10%			2036	**	5	\$4,300	
Wood Overhead Doors	10%			2028	\$54,700	5	\$8,700	
Windows								
Aluminum	100%	Now	\$76,100	2048	**	5	\$900	
Parapets								
Metal Rail	100%	0-2	\$1,400	2040	**	5	\$18,700	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Detached Guardrail Facing Third Avenue</i>								
Roof								
Modified Bitumen	100%	Now	\$9,600	2028	\$96,400			
<i>Blisters, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Roof Drains</i>								
<i>Seams Open/Split, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Pitch Pockets</i>								
<i>Explanation : Detached Metal Flashing Assembly</i>								
Interior								
Floors								
Cast in Place Concrete	50%	0-2	\$6,700	LIFE	**	5	\$14,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Stair Treads To Cellar And Boiler Room</i>								
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	10%	2-4	\$1,200	2032	**	5	\$600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : All Bathrooms</i>								
Terrazzo	5%	2-4	\$1,500	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	35%	2-4	\$11,400	2019	\$38,100	3	\$1,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Hallway/ Dormitory</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : 2nd Floor Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 241
Asset # : 13132

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	5%	0-2	\$1,400	LIFE	**			
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Upper Foundation Wall At Building Joint</i>								
Ceramic Tile	10%	2-4	\$6,200	2032	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Bathrooms</i>								
Concrete Masonry Unit	5%	2-4	\$500	LIFE	**	5	\$500	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Basement At Boiler Room Entrance</i>								
Marble Panels	5%			LIFE	**			
Plaster	35%	0-2	\$6,300	LIFE	**	5	\$2,400	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Various Locations At The 2nd Floor</i>								
<i>Spalling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Cellar Stair</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 2nd Floor Window At Third Avenue Side</i>								
SGFT/Glazed Masonry	40%	4+	\$7,000	LIFE	**			
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Kitchen</i>								
Ceilings								
AcousTileSusp.Lay-In	10%	2-4	\$1,300	2036	**	5	\$800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Lounge And Watch Room</i>								
Exposed Concrete	55%	4+	\$14,400	LIFE	**	5	\$1,400	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Ceiling</i>								
Gypsum Board	5%	2-4	\$400	LIFE	**	5	\$1,000	
<i>Water Penetration, Extent : Light, Area Affected : 2%</i>								
<i>Location : 2nd Floor Bathroom</i>								
Plaster	30%			LIFE	**	5	\$3,100	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2023	\$4,800	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Room</i>								
<i>Explanation : Rating Not Visible</i>								
Raceway								
Conduit	100%			2033	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 241
Asset # : 13132

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Molded Case Bkrs	20%	4+	\$2,300	2031	**	5		
<i>Covers Missing, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Molded Case Bkrs	80%			2031	**	5	\$200	
Wiring								
Thermoplastic	100%			2033	**	1		
Motor Controllers								
Locally Mounted	100%			2028	\$14,400	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Motor Controller For 1 Overhead Door</i>								
Ground								
Grounding Devices								
Generic	100%	4+	\$9,500	LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corrosion Present</i>								
Lighting								
Interior Lighting								
Fluorescent	80%			2023	\$18,600	10	\$6,300	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fluorescent	15%			2023	\$3,500	10	\$1,200	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Incandescent	5%			2023	\$2,700	2		
Exterior Lighting								
HID	95%	4+	\$6,100	2023	\$30,700			
<i>Sensor/Timer Malfunction, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Exterior</i>								
Incandescent	5%	4+	\$700	2023	\$1,400	2		
<i>Outdr Lights On During Daytime, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Exterior</i>								
Alarm								
Fire/Smoke Detection								
No Component	95%							
Generic	5%			2023	\$4,400	1-3	\$300	
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 241
Asset # : 13132

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	50%			2049	**	1		
		<i>Corroded, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Cellar</i>						
Natural Gas	50%			2043	**	1		
Conversion Equipment								
Furnace	10%			2028	\$1,900	1	\$400	
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : 1st Floor Lounge</i>						
		<i>Explanation : Gas Fireplace</i>						
Hot Water Boiler	90%	0-2	\$55,600	2043	**	1	\$3,400	
		<i>Leak Evident, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Cellar</i>						
Distribution								
Hot Wtr Piping/Pump	100%			2039	**	4	\$600	
Terminal Devices								
Convactor/Radiator	70%			2036	**	1	\$1,900	
Unit Heater - Steam	30%			2028	\$8,600	4	\$400	
Air Conditioning								
Energy Source								
Electricity	100%			2045	**	1		
Conversion Equipment								
Interior Pkg Unit - Cooling	20%			2021	\$60,000	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 20%</i>						
		<i>Location : Kitchen And 2nd Floor Bunkroom</i>						
		<i>Explanation : Kitchen Has Air Cooled Unit And Bunkroom Has Water Cooled.</i>						
Window/Wall Unit	60%			2019	\$10,000	1		
No Component	20%							
Ventilation								
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$2,400	
No Component	50%							
Exhaust Fans								
Interior	30%			2023	\$8,600	2	\$100	
Roof	70%			2031	**	2	\$200	
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2036	**	1		
Water Heater								
Gas Fired	100%			2021	\$4,900	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Cellar</i>						
		<i>Explanation : One 75 Gallon Heater</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 241
Asset # : 13132

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Storm Drain Piping							
	Cast Iron	70%			LIFE	**	1	
	Cast Iron	30%	0-2	\$5,000	LIFE	**	1	
		<i>Blockage /Clogged, Extent : Moderate, Area Affected : 30%</i>						
		<i>Location : Apparatus Floor</i>						
		<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>						
		<i>Location : Apparatus Floor</i>						
		<i>Explanation : Blockage Has Been A Problem For Years.</i>						
	Sump Pump(s)							
	Submersible	100%			2019	\$300	4	\$300
Fixtures								
	Generic	100%						
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Total House</i>						
		<i>Explanation : Obsolete Walls</i>						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 242
Address : 9219 FIFTH AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.242 / 13133 **Yr Built/Renovated** : 1895 /
Area Sq Ft : 4,800 **Project Type** : FIRE DEPARTMENT
Date of Survey : 15-Jun-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 6109 **Lot** : 19 **BIN** : 3155323

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$82,700
Electrical	\$19,200	
Total	\$19,200	\$82,700
Importance Code A		\$82,700
Importance Code B	\$19,200	
Total	\$19,200	\$82,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$8,500		\$700	\$1,100
Interior Architecture	\$45,900			\$600
Electrical				
Mechanical	\$700	\$400	\$12,500	\$400
Total	\$55,100	\$400	\$13,200	\$2,200
Importance Code A	\$8,700	\$200	\$900	\$1,400
Importance Code B	\$30,300	\$200	\$12,300	\$600
Importance Code C	\$16,100			\$200
Total	\$55,100	\$400	\$13,200	\$2,200



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FIRE DEPARTMENT - 057
ENGINE CO. 242
Asset # : 13133

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	75%			LIFE	**	5	\$13,100	
Masonry: Limestone	10%			LIFE	**	5	\$1,300	
Wood Overhead Doors	15%			2028	\$82,700	5	\$13,100	
Windows								
Aluminum	100%	Now	\$8,500	2039	**	5	\$300	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	85%			LIFE	**	5	\$1,200	
Metal Cornice	15%			2051	**	10	\$700	
Roof								
Asphalt Shingle	80%			2032	**	10	\$1,100	
Modified Bitumen	20%			2028	\$10,000	10	\$1,700	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$14,900	LIFE	**	5	\$7,900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Apparatus Room</i>								
<i>Explanation : Structurally Insufficient</i>								
Ceramic Tile	10%	Now	\$1,400	2032	**	5	\$400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	40%	Now	\$4,900	2023	\$24,400	3	\$1,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2032	**	5	\$500	
Gypsum Board	15%			LIFE	**	5	\$900	
Masonry: Brick	15%	Now	\$5,800	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Plaster	65%	Now	\$10,300	LIFE	**	5	\$1,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Staircase To Cellar From Apparatus Room</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 242
Asset # : 13133

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	15%	Now	\$3,500	2036	**	5	\$500	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor Bathrooms</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
Plaster	55%	Now	\$5,200	LIFE	**	5	\$2,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Wood	30%			LIFE	**	5	\$18,900	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2023	\$4,800	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 200 Amperes</i>								
Raceway								
Conduit	20%			2033	**	1		
Conduit	80%			2023	\$25,000	1		
Panelboards								
Molded Case Bkrs	50%			2022	\$19,200	5	\$100	
Molded Case Bkrs	50%			2031	**	5	\$100	
Wiring								
Thermoplastic	100%			2033	**	1		
Motor Controllers								
Locally Mounted	100%			2028	\$14,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Main</i>								
Lighting								
Interior Lighting								
Fluorescent	100%			2023	\$13,000	10	\$4,400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-8 Lamps</i>								
Egress Lighting								
Exit, Service	50%			2023	\$300	1		
Exit, Battery	50%			2023	\$900	10	\$200	

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FIRE DEPARTMENT - 057
ENGINE CO. 242
Asset # : 13133

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting

HID

100%

2023

\$18,100

10

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2033

* *

1

Conversion Equipment

Hot Water Boiler

100%

2028

\$34,600

1

\$2,400

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 3 Natural Gas Fired Sectional Hot Water Boilers*

Distribution

Hot Wtr Piping/Pump

100%

2031

* *

4

\$400

Terminal Devices

Convactor/Radiator

100%

2028

\$24,000

1

\$1,600

Air Conditioning

Energy Source

Electricity

100%

2039

* *

1

Conversion Equipment

Window/Wall Unit

100%

2021

\$9,400

1

Ventilation

Exhaust Fans

Interior

100%

2028

\$16,000

2

\$100

Plumbing

H/C Water Piping

Galvanized Steel

100%

2028

\$19,700

1

Water Heater

Gas Fired

100%

2021

\$2,700

2

\$100

Sanitary Piping

Cast Iron

100%

LIFE

* *

1

Storm Drain Piping

Cast Iron

100%

LIFE

* *

1

Sump Pump(s)

Submersible

100%

2019

\$200

4

\$200

Fixtures

Generic

100%

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 243/LADDER CO. 168
Address : 8653 18th AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.243 / 13134 **Yr Built/Renovated** : 1896 / 2009
Area Sq Ft : 5,742 **Project Type** : FIRE DEPARTMENT
Date of Survey : 15-Jun-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 6369 **Lot** : 24 **BIN** : 3166596

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Electrical	\$38,500	
Mechanical	\$41,400	
Total	\$79,900	
Importance Code A	\$41,400	
Importance Code B	\$38,500	
Total	\$79,900	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture			\$1,800	
Interior Architecture	\$57,700	\$500	\$1,000	\$600
Electrical	\$2,000	\$400	\$400	\$500
Mechanical	\$8,500	\$500	\$3,800	\$500
Site Enclosure	\$17,900			
Site Pavements	\$4,300			
Total	\$90,400	\$1,400	\$6,900	\$1,600
Importance Code A		\$300	\$2,100	\$300
Importance Code B	\$58,500	\$1,100	\$4,300	\$1,300
Importance Code C	\$31,900		\$600	
Total	\$90,400	\$1,400	\$6,900	\$1,600



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FIRE DEPARTMENT - 057
ENGINE CO. 243/LADDER CO. 168
Asset # : 13134

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	10%			2043	**	10	\$600	
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$7,900	
<i>Recent Repair Evident, Extent : Light, Area Affected : 66%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	85%			LIFE	**	5	\$17,300	
Windows								
Aluminum	100%			2048	**	5	\$500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	40%			LIFE	**	5	\$1,500	
Masonry: Brick	60%			LIFE	**	5	\$300	
Roof								
Copper/Terne	5%			2051	**	10	\$900	
Copper/Terne	5%			2051	**	10	\$900	
Modified Bitumen	85%			2033	**	10	\$6,000	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	5%			2053	**	10	\$1,200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	60%	Now	\$12,000	LIFE	**	5	\$12,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2032	**	5	\$500	
Quarry Tile	5%			2036	**	5	\$700	
Vinyl Tile	30%	Now	\$7,300	2023	\$24,400	3	\$1,100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 243/LADDER CO. 168

Asset # : 13134

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	5%	Now	\$2,200	2032	**	5	\$400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Embossed Metal	10%			2051	**	10	\$600	
Masonry: Brick	10%	Now	\$6,300	LIFE	**			
<i>Paint Peeling, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Basement Stairwell</i>								
<i>Spalling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement Stairwell</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement Stairwell</i>								
Plaster	50%	Now	\$1,300	LIFE	**	5	\$2,400	
<i>Paint Peeling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Weight Room</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Weight Room</i>								
SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	10%			2040	**	5	\$900	
Cast in Place Concrete	30%	Now	\$12,300	LIFE	**	5	\$900	
<i>Spalling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout Basement</i>								
<i>Explanation : Exposed Reinforcing</i>								
Embossed Metal	40%	Now	\$13,300	LIFE	**	5	\$1,700	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Metal Panel	5%	Now	\$3,100	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Plaster	15%			LIFE	**	5	\$900	
Site Enclosure								
Fence/Gates								
Chain link	80%	Now	\$17,500	2053	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Iron Picket	20%	4+	\$300	2058	**			
<i>Deteriorated Finish, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 243/LADDER CO. 168
Asset # : 13134

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Site Enclosure								
Free Standing Walls								
Cast in Place Concrete	100%			2058		**		
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$1,400	2036		**		
			<i>Cracking/Crumbling, Extent : Severe, Area Affected : 70%</i>					
			<i>Location : Near Gate</i>					
			<i>Tripping Hazard, Extent : Severe, Area Affected : 60%</i>					
			<i>Location : Near Gate</i>					
Parking/Driveway								
Cast in Place Concrete	100%	Now	\$2,800	2036		**		
			<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>					
			<i>Location : Throughout</i>					
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2033		**	5	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Basement Service Area</i>					
			<i>Explanation : 200 Amperes Safety Switch Being Used As A Service Switch</i>					
Raceway								
Conduit	100%			2033		**	1	
Panelboards								
Molded Case Bkrs	100%			2022	\$38,500	5	\$200	
Wiring								
Thermoplastic	100%			2033		**	1	
Motor Controllers								
Locally Mounted	100%			2028	\$14,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE		**	5	\$100
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Water Main</i>					
			<i>Explanation : Main Water Pipe</i>					
Stand-by Power								
Transfer Switches								
Automatic	100%			2040		**	1	\$1,800
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Basement Service Area</i>					
			<i>Explanation : Asco Type Switch</i>					

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FIRE DEPARTMENT - 057
ENGINE CO. 243/LADDER CO. 168
Asset # : 13134

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power Generators								
Diesel	100%			2036	**	1	\$2,200	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside Rear Yard</i>						
		<i>Explanation : Onan Cummins Type Generator</i>						
Batteries								
Lead/Acid	100%			2019	\$1,500	5	\$200	
Fuel Storage								
Main Tank	100%			2058	**	5	\$200	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside Rear Yard</i>						
		<i>Explanation : 60 Gallon Intergrated Tank</i>						
Lighting								
Interior Lighting								
Fluorescent	100%			2023	\$15,600	10	\$5,300	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : T-12 Fixtures In Basement And First Floor - T-8 Fixtures On Second Floor</i>						
Exterior Lighting								
HID	100%			2023	\$21,600	10		
Mechanical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2033	**	1		
Conversion Equipment								
Hot Water Boiler	100%	0-2	\$41,400	2043	**	1	\$2,600	
		<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement, Unreliable Boiler Burner Operation</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 Natural Gas Fired Sectional Hot Water Boilers</i>						
Distribution								
Hot Wtr Piping/Pump	100%			2031	**	4	\$400	
Terminal Devices								
Convactor/Radiator	100%			2028	\$28,700	1	\$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2031	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	25%			2028	\$10,900	2	\$100	
Window/Wall Unit	50%			2019	\$5,600	1		
No Component	25%							

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 243/LADDER CO. 168
Asset # : 13134

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Exhaust Fans								
Roof	60%			2023	\$5,300	2	\$100	
Wall Unit	40%			2023	\$800	2	\$100	
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2028	\$23,600	1		
			<i>Other Observation, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Incomiong Water Service</i>					
			<i>Explanation : Obsolete Material / Water Service From Street</i>					
Water Heater								
Gas Fired	100%			2021	\$3,300	2	\$100	
Sanitary Piping								
Cast Iron	100%	Now	\$2,000	LIFE	**	1		
			<i>Blockage /Clogged, Extent : Moderate, Area Affected : 30%</i>					
			<i>Location : Second Floor Water Closet</i>					
Storm Drain Piping								
Cast Iron	100%	Now	\$600	LIFE	**	1		
			<i>Blockage /Clogged, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Apparatus Floor Drains</i>					
Backflow Preventer								
No Component	95%							
Generic	5%			2031	**	1		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Serves Boiler Only</i>					
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 245/LADDER CO. 161 / BATTALION 43/ 60TH PRECINCT
Address : 2929 WEST 8th STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.245 / 13135 **Yr Built/Renovated** : 1971 / 2001
Area Sq Ft : 8,650 **Project Type** : FIRE DEPARTMENT
Date of Survey : 12-Apr-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 7279 **Lot** : 290 **BIN** : 3196591

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$88,000	\$222,600
Interior Architecture		\$277,300
Electrical	\$38,500	
Mechanical		\$39,000
Total	\$126,500	\$538,900
Importance Code A	\$88,000	\$222,600
Importance Code B	\$38,500	\$234,600
Importance Code C		\$81,600
Total	\$126,500	\$538,900

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$43,600		\$7,800	
Interior Architecture	\$69,800		\$2,200	\$2,200
Electrical	\$17,200		\$14,400	\$100
Mechanical	\$15,600	\$600	\$13,800	\$500
Site Enclosure	\$16,000			
Total	\$162,200	\$600	\$38,100	\$2,800
Importance Code A	\$43,600		\$7,800	
Importance Code B	\$94,400	\$600	\$30,300	\$2,800
Importance Code C	\$24,200			
Total	\$162,200	\$600	\$38,100	\$2,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 245/LADDER CO. 161 / BATTALION 43/ 60TH PRECINCT
Asset # : 13135

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$21,000	LIFE	**	5	\$34,900	
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Rear Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Throughout</i>								
Metal Panel	10%	Now	\$3,600	2043	**	5	\$9,300	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Front Facade</i>								
Metal Sect. OHD	10%			2036	**	5	\$15,600	
Pre-Cast Concrete	10%	Now	\$8,200	LIFE	**	5	\$16,200	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	90%	Now	\$45,800	2048	**	5	\$2,700	
<i>Air Infiltration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Steel	10%	Now	\$6,300	2048	**	5	\$3,800	
<i>Air Infiltration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 55%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Severe, Area Affected : 5%</i>								
<i>Location : At Entry</i>								
<i>Thermally Inefficient, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	80%	Now	\$42,200	LIFE	**	5	\$3,700	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 45%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 55%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 15%</i>								
<i>Location : East Facade</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Metal Cornice	10%			2038	**	10	\$1,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Parapet</i>								
<i>Explanation : Metal Coping</i>								
Metal Rail	10%			2028	\$12,200	5-10	\$8,300	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 245/LADDER CO. 161 / BATTALION 43/ 60TH PRECINCT
Asset # : 13135

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Modified Bitumen	100%	4+	\$4,500	2023	\$222,600			
<i>Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 1st Floor Rear- Downspout Missing</i>								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$47,700	
Ceramic Tile	5%	Now	\$4,200	2032	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Toilets</i>								
Terrazzo	5%			LIFE	**	5	\$1,700	
Vinyl Tile	40%	Now	\$29,600	2023	\$148,000	3	\$6,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 65%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%	Now	\$8,200	2026	\$81,600	5	\$1,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Toilets And 2nd Floor Locker Room</i>								
Plaster	50%			LIFE	**	5	\$8,900	
<i>Spalling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout And At Windows</i>								
SGFT/Glazed Masonry	45%			LIFE	**			
Ceilings								
AcousTileConcealSpLn	40%	Now	\$27,800	2043	**	5	\$10,800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 55%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
AcousTileSusp.Lay-In	10%			2036	**	5	\$4,300	
<i>Staining/Discoloring, Extent : Light, Area Affected : 3%</i>								
<i>Location : 2nd Floor Office</i>								
Exposed Concrete	10%			LIFE	**	5	\$700	
Plaster	40%			LIFE	**	5	\$10,800	
Site Enclosure								
Fence/Gates								
Wood	100%			2019	\$16,000			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2036	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 245/LADDER CO. 161 / BATTALION 43/ 60TH PRECINCT
Asset # : 13135

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

Parking/Driveway

Cast in Place Concrete	100%			2036		**		
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Not Accessible	100%							
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*Other Observation, Extent : Light, Area Affected : 0%**Location : Police Department Basement**Explanation : Electrical Service Enters Building In The 60th Precinct*

Raceway

Conduit	100%			2023	\$31,300	1		
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Panelboards

Molded Case Bkrs	100%			2022	\$38,500	5	\$200	
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Wiring

Braided Cloth	20%	Now	\$5,500	2048		**	1	
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*Insulation Aged, Extent : Severe, Area Affected : 20%**Location : Basement*

Thermoplastic	80%			2023	\$22,200	1		
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Motor Controllers

Locally Mounted	100%			2021	\$14,400	5	\$100	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : Controls For Heating System*

Ground

Grounding Devices

Not Accessible	100%							
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*Other Observation, Extent : Light, Area Affected : 0%**Location : Police Department Basement**Explanation : Ground Connection In Adjacent Police Building*

Stand-by Power

Transfer Switches

Not Accessible	100%							
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*Other Observation, Extent : Light, Area Affected : 0%**Location : Police Department Basement**Explanation : Transfer Switch Not Accessible Through Firehouse*

Generators

Not Accessible	100%							
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Batteries

Not Accessible	100%							
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Fuel Storage

Not Accessible	100%							
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Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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FIRE DEPARTMENT - 057
ENGINE CO. 245/LADDER CO. 161 / BATTALION 43/ 60TH PRECINCT
Asset # : 13135

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	20%	Now	\$4,700	2033			**	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Burnt Out</i>								
Fluorescent	70%			2023	\$16,400	10	\$5,600	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	10%			2019	\$5,500	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Stairs, Bunk Room 2nd Floor, House Watch 1st Floor</i>								
<i>Explanation : Downlights</i>								
Egress Lighting Exit, Service	100%			2019	\$1,000	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Feed From Emergency Generator In 60th Precinct</i>								
Exterior Lighting								
HID	50%	Now	\$400	2033			**	
<i>Not in Service, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Facade</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Facade</i>								
<i>Explanation : Downlights, Controlled Via Time Clock</i>								
Incandescent	50%			2023	\$13,800	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : Pendant Mounted, Controlled Via Time Clock</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Building</i>								
<i>Explanation : Supplied From Adjacent 60th Precinct</i>								
Conversion Equipment Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Building</i>								
<i>Explanation : Supplied From Adjacent 60th Precinct</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 245/LADDER CO. 161 / BATTALION 43/ 60TH PRECINCT
Asset # : 13135

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Distribution								
Hot Wtr Piping/Pump	100%			2031	**	4	\$600	
Terminal Devices								
Convactor/Radiator	90%			2028	\$39,000	1	\$2,500	
Unit Heater - Steam	10%			2023	\$2,900	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Window/Wall Unit	80%			2019	\$13,500	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building</i>								
<i>Explanation : Window Units Compensate For Ineffective Cooling Provided From Adjacent 60th Precinct</i>								
No Component	20%							
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$11,300	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,800	
Exhaust Fans								
Roof	50%	Now	\$1,300	2023	\$6,700	2	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Grill Hood And Bathroom</i>								
<i>Explanation : Grill Hood Fan Not Drawing. Bathroom Exhaust Not Working</i>								
Wall Unit	50%			2023	\$1,400	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2033	**	1		
Water Heater								
Electric	100%			2021	\$7,100	4	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 120 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	100%			2028	\$1,200	4	\$300	
Fixtures								
Generic	100%							
Fire Suppression								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 245/LADDER CO. 161 / BATTALION 43/ 60TH PRECINCT
Asset # : 13135

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Chemical System							
	Wet	100%			2021	\$2,100	1-3	\$4,200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Serves Cooking Area</i>								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 246/LADDER CO. 169
Address : 2732 EAST 11th STREET @ BLAKE CT.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.246 / 13136 **Yr Built/Renovated** : 1960 / 2004
Area Sq Ft : 7,476 **Project Type** : FIRE DEPARTMENT
Date of Survey : 23-Jul-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 8761 **Lot** : 38 **BIN** : 3246894

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$52,100	\$144,400
Interior Architecture	\$38,900	
Electrical	\$28,900	\$48,800
Total	\$119,900	\$193,200
Importance Code A	\$52,100	\$144,400
Importance Code B	\$67,800	\$48,800
Total	\$119,900	\$193,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$7,300			
Interior Architecture	\$27,200		\$400	\$600
Electrical	\$1,600		\$20,900	\$100
Mechanical	\$800	\$800	\$600	\$19,500
Total	\$36,900	\$800	\$22,000	\$20,200
Importance Code A	\$7,700	\$400	\$400	\$400
Importance Code B	\$27,900	\$400	\$21,600	\$19,800
Importance Code C	\$1,300			
Total	\$36,900	\$800	\$22,000	\$20,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 246/LADDER CO. 169
Asset # : 13136

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2033	**	10	\$300	
Masonry: Brick	70%			LIFE	**	5	\$14,400	
Masonry: Granite	5%			LIFE	**	5	\$800	
Masonry: Limestone	5%			LIFE	**	5	\$800	
Wood Overhead Doors	15%			2028		5	\$15,500	
Windows								
Aluminum	100%	2-4	\$52,100	2031	**	5	\$1,600	
<i>Deteriorated Finish, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Windows Are Single Glazed With Plexiglass Installed In Many Panes. They Are Generally Operable</i>								
Parapets								
Masonry: Brick	85%			LIFE	**	5	\$2,100	
Masonry: Limestone	15%			LIFE	**	5	\$500	
Roof								
Built-Up (BUR)	95%	Now	\$4,700	2023			\$46,700	
<i>Ponding, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Roof Drains</i>								
Roll Roofing	5%			2019		5	\$900	
Interior								
Floors								
Cast in Place Concrete	45%	0-2	\$5,400	LIFE	**	5	\$11,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	10%			2038	**	5	\$1,100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Quarry Tile	5%			2036	**	5	\$900	
Vinyl Tile	40%	Now	\$38,900	2033	**	3	\$1,700	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 246/LADDER CO. 169
Asset # : 13136

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	5%			2038	**	5	\$800	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Gypsum Board	20%	0-2	\$1,300	LIFE	**	5	\$1,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	10%			LIFE	**			
Plaster	20%			LIFE	**	5	\$900	
Plywood/Hardboard	10%			LIFE	**			
SGFT/Glazed Masonry	35%			LIFE	**			
Ceilings								
AcousTileConcealSpLn	25%	Now	\$9,300	2036	**	5	\$1,800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								
Plaster	75%	Now	\$11,300	LIFE	**	5	\$5,400	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2023	\$4,800	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 400 Amperes</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2023	\$48,800	5	\$200	
Raceway								
Conduit	100%			2023	\$31,300	1		
Panelboards								
Molded Case Bkrs	75%			2022	\$28,900	5	\$100	
<i>Covers Missing, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Basement</i>								
Molded Case Bkrs	25%			2031	**	5	\$100	
Wiring								
Thermoplastic	100%			2023	\$27,700	1		
Motor Controllers								
Locally Mounted	100%			2021	\$14,400	5	\$100	

Ground

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 246/LADDER CO. 169
Asset # : 13136

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Not Accessible	100%							
Lighting								
Interior Lighting Fluorescent	95%			2031	**	10	\$6,500	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : 70% T-8 And 30% T-12</i>						
Incandescent	5%			2023	\$2,400	2		
Egress Lighting								
Exit, Service	50%			2023	\$400	1		
Exit, Battery	50%			2019	\$1,400	10	\$300	
Exterior Lighting								
HID	100%			2023	\$28,200	10		
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Natural Gas	100%			2049	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2040	**	1	\$3,700	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One Boiler</i>						
Distribution								
Hot Wtr Piping/Pump	100%			2039	**	4	\$600	
Terminal Devices								
Convactor/Radiator	80%			2040	**	1	\$1,900	
Fan Coil Unit/Heat	20%			2028	\$20,900	1	\$500	
Air Conditioning								
Energy Source Electricity	100%			2045	**	1		
Conversion Equipment								
Window/Wall Unit	100%			2022	\$14,600	1		
Ventilation								
Exhaust Fans								
Roof	60%			2028	\$7,000	2	\$100	
Wall Unit	40%			2028	\$1,000	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	5%			2049	**	1		
Galvanized Steel	95%			2028	\$29,100	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 246/LADDER CO. 169
Asset # : 13136

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Water Heater Gas Fired	100%			2022	\$4,300	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 Units</i>						
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Non-Submersible	100%			2028	\$1,100	4	\$200	
Fixtures Generic	100%							

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

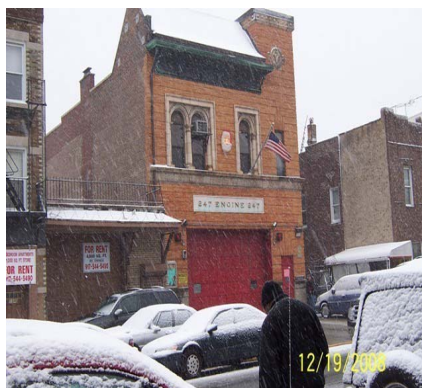
Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 247
Address : 1336 60th STREET BTWN 13TH AVE - 14TH AVE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.247 / 13137 **Yr Built/Renovated** : 1897 /
Area Sq Ft : 5,356 **Project Type** : FIRE DEPARTMENT
Date of Survey : 14-Mar-2013 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5719 **Lot** : 22 **BIN** : 3141309

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$60,300	
Interior Architecture	\$48,900	
Electrical		\$48,800
Mechanical	\$38,600	
Total	\$147,800	\$48,800
Importance Code A	\$98,900	
Importance Code B	\$48,900	\$48,800
Total	\$147,800	\$48,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$98,000			
Interior Architecture	\$27,700			
Electrical	\$20,800			\$14,400
Mechanical	\$3,200	\$600	\$500	\$36,200
Site Pavements	\$1,400			
Total	\$151,200	\$600	\$500	\$50,600
Importance Code A	\$98,000	\$300	\$300	\$300
Importance Code B	\$36,000	\$300	\$200	\$50,300
Importance Code C	\$17,100			
Total	\$151,200	\$600	\$500	\$50,600



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 247
Asset # : 13137

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	8%	Now	\$19,700	LIFE	**	5	\$9,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : North Facade</i>								
Copper/Terne	2%			2044	**	10	\$700	
Masonry: Brick	20%	Now	\$27,700	LIFE	**	5	\$3,000	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Facade</i>								
Masonry: Brick	55%			LIFE	**	5	\$8,300	
Wood Overhead Doors	15%			2029	**	5	\$11,400	
Windows								
Aluminum	100%	0-2	\$3,900	2040	**	5	\$500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	75%	0-2	\$4,100	LIFE	**	5	\$700	
<i>Expansion Jnt Failure, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Sandstone	5%			LIFE	**	5	\$100	
Pre-Cast Concrete	20%			LIFE	**	5	\$1,200	
Roof								
Built-Up (BUR)	80%	2-4	\$29,900	2034	**			
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Modified Bitumen	15%	0-2	\$7,100	2034	**			1
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	5%	0-2	\$60,300	2054	**			
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$6,500	
Ceramic Tile	5%			2039	**	5	\$400	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Quarry Tile	5%	0-2	\$500	2037	**	5	\$300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Wood	50%	0-2	\$48,900	2039	**	5	\$3,500	
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 247
Asset # : 13137

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Interior

Interior Walls

Masonry: Brick

5% 0-2 \$1,000 LIFE **

Water Penetration, Extent : Light, Area Affected : 10%
Location : Throughout

Metal Panel

15% 0-2 \$1,100 LIFE **

Deformed/Dented, Extent : Light, Area Affected : 10%
Location : Throughout

Plaster

45% 0-2 \$1,800 LIFE ** 5 \$1,400

Cracking/Crumbling, Extent : Light, Area Affected : 10%
Location : Throughout

SGFT/Glazed Masonry

30% 0-2 \$11,800 LIFE **

Cracking/Crumbling, Extent : Light, Area Affected : 10%
Location : Throughout

Wood

5% LIFE ** 5 \$2,000

Ceilings

AcousTileSusp.Lay-In

5% 2029 ** 5 \$400

Embossed Metal

50% 4+ \$8,100 LIFE ** 5 \$1,700

Deteriorated Finish, Extent : Light, Area Affected : 10%
Location : Throughout

Exposed Concrete

15% LIFE ** 5 \$200

Plaster

30% 0-2 \$2,900 LIFE ** 5 \$1,400

Cracking/Crumbling, Extent : Light, Area Affected : 20%
Location : Throughout

Site Pavements

On-Site Walkways

Cast in Place Concrete

100% Now \$1,400 2037 **

Cracking/Crumbling, Extent : Light, Area Affected : 20%
Location : Rear Courtyard And Walkway Along Side Of Building

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Switchgear / Switchboard

Fused Disc Sw

100% 2024 \$48,800 5

Other Observation, Extent : Moderate, Area Affected : 100%
Location : Basement Electrical Room

Explanation : 1- 200 Amperes Main Part Of The Qmqb. Federal Pacific Equipment

Raceway

Conduit

100% 2024 \$31,300 1

Panelboards

Fused Knife Sw

80% 2023 \$30,800 5 \$100

Molded Case Bkrs

20% 2032 ** 5

Wiring

Thermoplastic

100% 2034 ** 1

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 247
Asset # : 13137

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2022	\$14,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Water Main</i>						
Lighting								
Interior Lighting								
Fluorescent	100%			2024	\$14,500	10	\$4,900	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : T-12 Fixtures On 1st Floor / T-8 Fixtures In Basement</i>						
Egress Lighting								
Exit, Service	100%			2019	\$600	1		
Exterior Lighting								
HID	100%			2019	\$20,200	10		
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2044	**	1		
Conversion Equipment								
Hot Water Boiler	100%	0-2	\$38,600	2044	**	1	\$2,400	
		<i>On Extended Life, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Other Observation, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One Unit</i>						
Distribution								
Hot Wtr Piping/Pump	100%			2032	**	4	\$400	
Terminal Devices								
Convactor/Radiator	100%	Now	\$1,300	2029	**	1	\$1,600	
		<i>Leak Evident, Extent : Moderate, Area Affected : 15%</i>						
		<i>Location : Bathroom On 2nd Floor</i>						
Air Conditioning								
Energy Source								
Electricity	100%			2040	**	1		
Conversion Equipment								
Window/Wall Unit	100%			2022	\$10,400	1		
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2022	\$22,000	1		

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 247
Asset # : 13137

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Water Heater Gas Fired	100%			2022	\$3,100	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 74 Gallon Units</i>								
Sanitary Piping								
	Cast Iron	100%	Now	\$1,800	LIFE	**	1	
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Engine Bay Drains</i>								
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Fixtures								
	Generic	100%						
<i>Obsolete Fixtures, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Bathrooms And Kitchen</i>								
Fire Suppression								
	Chemical System No Component Generic	90%						
		10%			2022	\$200	1-3	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 248 (COMBINED FACILITY)
Address : 2900 SNYDER AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.248 / 13138 **Yr Built/Renovated** : 1972 /
Area Sq Ft : 7,484 **Project Type** : FIRE DEPARTMENT
Date of Survey : 27-Jun-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5111 **Lot** : 24 **BIN** : 3117400

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$121,500
Interior Architecture	\$55,500	\$47,800
Electrical	\$38,500	
Total	\$94,000	\$169,200
Importance Code A		\$121,500
Importance Code B	\$94,000	\$47,800
Total	\$94,000	\$169,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$17,200		\$5,600	
Interior Architecture		\$700		\$1,100
Electrical	\$45,000		\$2,700	\$100
Mechanical	\$7,800	\$200	\$800	\$6,400
Total	\$70,000	\$900	\$9,100	\$7,500
Importance Code A	\$17,200		\$5,600	
Importance Code B	\$52,800	\$900	\$3,500	\$7,100
Importance Code C				\$400
Total	\$70,000	\$900	\$9,100	\$7,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 248 (COMBINED FACILITY)
Asset # : 13138

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast in Place Concrete	2%	Now	\$6,000	LIFE	**	5	\$2,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Column At North Facade</i>								
Masonry: Brick	17%			LIFE	**	5	\$4,600	
Metal Sect. OHD	6%			2036	**	5	\$5,000	
Pre-Cast Concrete	75%			LIFE	**	5	\$65,200	
Windows								
Aluminum	100%	Now	\$2,800	2039	**	5	\$300	
<i>Hardware Missing, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast in Place Concrete	75%	Now	\$8,400	LIFE	**	5	\$13,600	
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : North Parapet</i>								
Metal Rail	25%			2036	**	5-10	\$7,900	
Roof								
Built-Up (BUR)	100%			2028		10	\$12,300	
Interior								
Floors								
Cast in Place Concrete	35%			LIFE	**	5	\$9,600	
Ceramic Tile	10%			2032	**	5	\$1,300	
Terrazzo	10%			LIFE	**	5	\$1,000	
Vinyl Tile	45%			2023		3	\$2,100	
Interior Walls								
Ceramic Tile	10%			2032	**	5	\$900	
Plaster	50%			LIFE	**	5	\$1,300	
SGFT/Glazed Masonry	40%			LIFE	**			
Ceilings								
AcousTileConcealSpLn	55%	0-2	\$55,500	2043	**	5	\$4,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Exposed Concrete	40%			LIFE	**	5	\$800	
Metal Panel	5%			LIFE	**	5	\$800	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	100%			2023	\$31,300	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 248 (COMBINED FACILITY)
Asset # : 13138

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Molded Case Bkrs	100%			2022	\$38,500	5	\$200	
Wiring								
Thermoplastic	100%			2023	\$27,700	1		
Lighting								
Interior Lighting								
Fluorescent	40%			2031	**	10	\$2,700	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	60%			2019	\$12,200	10	\$4,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : T-12 Lamps</i>								
Egress Lighting								
Exit, Service	100%	Now	\$500	2033	**	1		
<i>Not Functioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Exterior Lighting								
HID	100%			2019	\$28,200	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Basement Of Precinct</i>								
<i>Explanation : Located In Adjacent 67th Police Precinct</i>								
Conversion Equipment								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Basement Of Precinct</i>								
<i>Explanation : Heating Unit Located In Adjacent 67th Police Precinct</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2031	**	4	\$600	
Terminal Devices								
Convactor/Radiator	80%			2028	\$30,000	1	\$1,900	
Unit Heater - Steam	10%			2023	\$2,500	4	\$100	
No Component	10%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Locker Room</i>								
<i>Explanation : No Heating Device</i>								
Air Conditioning								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 248 (COMBINED FACILITY)
Asset # : 13138

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Energy Source								
Electricity	100%			2031	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	20%			2023	\$11,300	2	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Police Precinct Roof</i>								
<i>Explanation : Not Accessible</i>								
Window/Wall Unit	50%			2019	\$7,300	1		
No Component	30%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : No A C In Locker Room</i>								
Ventilation								
Distribution								
Ductwork/Diffusers	90%			LIFE	**	2-5	\$3,800	
<i>Obsolete Equipment, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
No Component	10%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : No Air Ventilation In Locker Room</i>								
Exhaust Fans								
Interior	90%			2023	\$22,400	2	\$200	
No Component	10%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : No Air Ventilation In Locker Room</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2033	**	1		
Water Heater								
Electric	100%			2022	\$6,200	4		
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Backflow Preventer								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Precinct Basement</i>								
<i>Explanation : Water Main Is Located In Adjacent Police Precinct</i>								
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 249/LADDER CO. 113
Address : 491 ROGERS AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.249 / 13139 **Yr Built/Renovated** : 1896 / 2007
Area Sq Ft : 4,800 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Jun-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5033 **Lot** : 4 **BIN** : 3114990

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$39,200	\$77,600
Electrical	\$30,800	
Total	\$70,000	\$77,600
Importance Code A	\$39,200	\$77,600
Importance Code B	\$30,800	
Total	\$70,000	\$77,600

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$11,300			
Interior Architecture	\$24,200		\$300	\$1,000
Electrical	\$10,500	\$100	\$100	\$100
Mechanical	\$2,500	\$500	\$4,900	\$400
Site Enclosure				
Total	\$48,500	\$500	\$5,200	\$1,500
Importance Code A	\$11,500	\$200	\$200	\$200
Importance Code B	\$24,700	\$300	\$5,000	\$1,000
Importance Code C	\$12,300			\$300
Total	\$48,500	\$500	\$5,200	\$1,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 249/LADDER CO. 113
Asset # : 13139

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	40%			LIFE	**	5	\$6,500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Third Floor</i>								
<i>Explanation : A Third Floor Was Added In 1998</i>								
Masonry: Brick	40%	Now	\$39,200	LIFE	**	5	\$6,500	
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Lower Section Of South Facade</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Lower Section Of South Facade</i>								
Masonry: Brownstone	3%	Now	\$11,100	LIFE	**	5	\$400	
<i>Spalling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Front Facade Base</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Front Facade Base</i>								
Masonry: Limestone	10%			LIFE	**	5	\$1,200	
Wood Overhead Doors	7%			2028	\$36,000	5	\$5,700	
Windows								
Aluminum	100%			2039	**	5	\$400	
Parapets								
Masonry: Brick	90%			LIFE	**	5	\$600	
Masonry: Limestone	5%			LIFE	**	5		
Pre-Cast Concrete	5%			LIFE	**	5	\$200	
Roof								
Modified Bitumen	100%			2028	\$41,600	10	\$7,200	
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$6,900	
Ceramic Tile	10%			2032	**	5	\$700	
Quarry Tile	5%			2036	**	5	\$500	
Vinyl Tile	30%			2028	\$18,000	3	\$1,100	
Vinyl Tile	10%	Now	\$6,000	2033	**	3	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Locker Room</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Locker Room</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 249/LADDER CO. 113
Asset # : 13139

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	10%			2032	**	5	\$500	
Concrete Masonry Unit	10%			LIFE	**	5	\$200	
Gypsum Board	45%			LIFE	**	5	\$1,400	
Masonry: Brick	20%	Now	\$12,300	LIFE	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Basement</i>								
Plaster	15%			LIFE	**	5	\$200	
Ceilings								
AcousTileSusp.Lay-In	10%	Now	\$5,700	2043	**	5	\$400	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Kitchen / Dining</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen / Dining</i>								
Embossed Metal	20%			LIFE	**	5	\$600	
Exposed Struc: Steel	20%			LIFE	**			
Plaster	50%			LIFE	**	5	\$2,200	
Site Enclosure								
Fence/Gates								
Chain link	50%			2043	**			
Wood	50%			2024			\$5,700	
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2036	**			
Parking/Driveway								
Cast in Place Concrete	100%			2036	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2043	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Rated @ 600 Amperes</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2043	**	5	\$100	
Raceway								
Conduit	80%			2033	**	1		
Conduit	20%			2043	**	1		

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 249/LADDER CO. 113
Asset # : 13139

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Molded Case Bkrs	80%			2022	\$30,800	5		\$100
Molded Case Bkrs	20%			2039	**	5		
Wiring								
Thermoplastic	80%			2043	**	1		
Thermoplastic	20%			2023	\$5,500	1		
Motor Controllers								
Locally Mounted	100%			2028	\$14,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5		\$100
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Near Water Service.</i>								
<i>Explanation : Recently Installed Ground For Main Service.</i>								
Lighting								
Interior Lighting								
Fluorescent	100%			2028	\$13,000	10		\$4,400
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Egress Lighting								
Exit, Service	100%	Now	\$500	2033	**	1		
<i>Not Functioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Exterior Lighting								
HID	100%			2023	\$18,100	10		
Alarm								
Fire/Smoke Detection								
No Component	80%							
Generic	20%	Now	\$9,900	2033	**	1-3		\$500
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Not Functional</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 249/LADDER CO. 113
Asset # : 13139

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Conversion Equipment								
Furnace	60%			2023	\$6,300	1	\$1,400	
	<i>Other Observation, Extent : Light, Area Affected : 60%</i>							
	<i>Location : Roof</i>							
	<i>Explanation : 3 Roof Top Package Units</i>							
Hot Water Boiler	40%			2040	**	1	\$1,000	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 1 Unit</i>							
Distribution								
Hot Wtr Piping/Pump	40%			2039	**	4	\$100	
No Component	60%							
Terminal Devices								
Convactor/Radiator	30%			2028	\$7,200	1	\$500	
Unit Heater - Steam	10%			2023	\$1,600	4	\$100	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : 1st Floor</i>							
	<i>Explanation : Unit Heaters Serve Truck Bays</i>							
No Component	60%							
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	60%			2023	\$33,700	2	\$200	
	<i>R-22 Refrigerant, Extent : Light, Area Affected : 60%</i>							
	<i>Location : Roof</i>							
	<i>Other Observation, Extent : Light, Area Affected : 60%</i>							
	<i>Location : Roof</i>							
	<i>Explanation : 3 Roof Top Package Units</i>							
Window/Wall Unit	20%			2019	\$1,900	1		
No Component	20%							
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$6,200	
Ventilation								
Exhaust Fans								
Roof	100%			2023	\$7,500	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2033	**	1		
Water Heater								
Gas Fired	100%			2021	\$2,700	2	\$100	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 2 Units @ 74 Gallons Each</i>							
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 249/LADDER CO. 113
Asset # : 13139

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Non-Submersible	100%			2028	\$700	4	\$200
	Backflow Preventer							
	Generic	100%			2028	\$1,100	1	\$300
	Fixtures							
	Generic	100%						
Fire Suppression								
	Sprinkler							
	Generic	100%			2033	**	1-2	\$1,400

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 250
Address : 126 FOSTER AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.250 / 13140 **Yr Built/Renovated** : 1927 / 2012
Area Sq Ft : 4,930 **Project Type** : FIRE DEPARTMENT
Date of Survey : 27-Jun-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 6499 **Lot** : 11 **BIN** : 3170273

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$43,200
Electrical		\$48,800
Total		\$92,000
Importance Code A		\$43,200
Importance Code B		\$48,800
Total		\$92,000

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$900		\$2,000	
Interior Architecture	\$43,500		\$300	\$700
Electrical			\$3,300	\$3,900
Mechanical	\$19,400	\$200	\$3,000	\$200
Total	\$63,700	\$200	\$8,500	\$4,700
Importance Code A	\$900		\$2,000	
Importance Code B	\$58,900	\$200	\$6,300	\$4,700
Importance Code C	\$3,900		\$300	
Total	\$63,700	\$200	\$8,500	\$4,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 250
Asset # : 13140

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	88%			LIFE	**	5	\$22,100	
<i>Painted Surfaces, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : East And West Facades</i>								
Masonry: Granite	2%			LIFE	**	5	\$400	
Masonry: Limestone	5%			LIFE	**	5	\$900	
Metal Sect. OHD	5%			2036	**	5	\$3,900	
Windows								
Aluminum	100%			2039	**	5	\$1,900	
Parapets								
Masonry: Brick	93%			LIFE	**	5	\$1,800	
Masonry: Limestone	2%			LIFE	**	5		
Pre-Cast Concrete	5%			LIFE	**	5	\$600	
Roof								
Modified Bitumen	98%			2028	\$43,200	10	\$7,400	
Skylight, Metal/Glass	2%			2033	**	10	\$500	
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$7,000	
Ceramic Tile	5%			2032	**	5	\$400	
Mosaic Tile	5%			2028	\$23,800	5	\$1,000	
Vinyl Tile	50%			2019	\$33,800	3	\$2,000	
Interior Walls								
Ceramic Tile	5%			2026	\$15,100	5	\$500	
Gypsum Board	10%			LIFE	**	5	\$700	
Marble Panels	5%			LIFE	**			
Plaster	45%	Now	\$3,900	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations 2nd Floor</i>								
SGFT/Glazed Masonry	35%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	5%			2028	\$3,200	5	\$400	
Exposed Concrete	45%			LIFE	**	5	\$600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Lally Columns Are Shoring Up Apparatus Floor</i>								
Plaster	50%	Now	\$5,200	LIFE	**	5	\$2,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations 2nd Floor, Roof Access</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 250
Asset # : 13140

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2023	\$4,800	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Switch Rated @ 200 Amperes</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2023	\$48,800	5	\$100	
Raceway								
Conduit	100%			2023	\$31,300	1		
Panelboards								
Fused Disc Sw	10%			2022	\$3,800	5		
Molded Case Bkrs	90%			2031	**	5	\$100	
Wiring								
Thermoplastic	100%			2033	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	70%			2031	**	10	\$3,200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
HID	30%			2031	**	10		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : L. E. D.</i>								
Exterior Lighting								
HID	100%			2028	\$18,600	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Under Construction	100%							
Distribution								
Central Plant Steam Piping/Pmp	100%			2043	**	4	\$400	
Terminal Devices								
Convactor/Radiator	80%			2028	\$19,700	1	\$1,300	
Fan Coil Unit/Heat	20%			2019	\$13,800	1	\$300	
Air Conditioning								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 250
Asset # : 13140

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning									
	Energy Source								
	Electricity	100%			2031	* *	1		
	Conversion Equipment								
	Window/Wall Unit	50%			2019	\$4,800	1		
	No Component	50%							
Ventilation									
	Exhaust Fans								
	Roof	10%			2028	\$800	2		
	Wall Unit	20%			2023	\$300	2		
	No Component	70%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2033	* *	1		
	Water Heater								
	Gas Fired	100%	Now	\$100	2021	\$2,800	2	\$100	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
				<i>Location : Basement</i>					
				<i>Explanation : 1 Unit. Not Enough Hot Water For The Front Section Of The Building</i>					
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	100%	0-2	\$200	2019	\$200	4	\$100	
				<i>On Extended Life, Extent : Severe, Area Affected : 100%</i>					
				<i>Location : Basement</i>					
	Fixtures								
	Generic	100%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 251
Address : 254-20 UNION TURNPIKE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.251 / 13141 **Yr Built/Renovated** : 1952 / 2001
Area Sq Ft : 6,110 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 8691 **Lot** : 13 **BIN** : 4177508

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$211,600	
Interior Architecture	\$82,600	\$44,500
Total	\$294,200	\$44,500
Importance Code A	\$211,600	
Importance Code B		\$44,500
Importance Code C	\$82,600	
Total	\$294,200	\$44,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$13,600			\$6,600
Interior Architecture	\$24,500	\$1,000		\$700
Electrical	\$15,900	\$600	\$400	\$400
Mechanical	\$37,500	\$12,800	\$1,100	\$900
Total	\$91,500	\$14,400	\$1,500	\$8,600
Importance Code A	\$14,200	\$600	\$600	\$7,200
Importance Code B	\$72,700	\$13,400	\$900	\$1,400
Importance Code C	\$4,600	\$400		
Total	\$91,500	\$14,400	\$1,500	\$8,600



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 251
Asset # : 13141

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	85%	Now	\$168,800	LIFE	**	5	\$18,700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Rear Facade, Bulkhead</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bulkhead</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Rear Facade And Facade Along 255th Street</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : No Weeps In Exterior Brick Masonry</i>								
Masonry: Limestone	3%	Now	\$1,400	LIFE	**	5	\$500	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Above Overhead Door</i>								
Wood Overhead Doors	12%			2032	**	5	\$13,200	
Windows								
Aluminum	100%			2043	**	5	\$1,700	
Parapets								
Masonry: Brick	90%	Now	\$42,800	LIFE	**	5	\$2,500	1
<i>Horizontal Cracks, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Interior Face</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout Interior And Exterior Face Of Front Facade And Facade Along 255th Street</i>								
<i>Spalling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Interior Face</i>								
Masonry: Limestone	10%	Now	\$1,400	LIFE	**	5	\$300	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout At Coping Joints</i>								
Roof								
Modified Bitumen	95%	Now	\$10,700	2032	**			
<i>Alligatoring, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Upper And Lower Roof</i>								
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Second Floor</i>								
Skylight, Metal/Glass	5%			2037	**	10	\$1,600	
Interior								

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FIRE DEPARTMENT - 057
ENGINE CO. 251
Asset # : 13141

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	30%			LIFE	**	5	\$6,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Apparatus Floor On Jacks</i>								
Ceramic Tile	5%	Now	\$500	2030	**	5	\$200	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Mens Shower (2nd Floor) Missing Tiles</i>								
Panel/Paver: Cer/Brk	2%			2043	**	5	\$400	
Quarry Tile	3%			2040	**	5	\$400	
Vinyl Tile	55%	4+	\$4,500	2027	\$44,500	3	\$2,000	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : 2nd Floor Corridor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout 2nd Floor</i>								
Wood	5%			2055	**	5	\$900	
Interior Walls								
Ceramic Tile	5%			2030	**	5	\$700	
Plaster	20%	Now	\$4,600	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor At Front Office And Weight Room And Hose Tower</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor Dormitory And Locker East Wall At Windows And Hose Tower</i>								
SGFT/Glazed Masonry	75%	Now	\$82,600	LIFE	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Stairwell Midlanding B/w 1st And 2nd Floor</i>								
<i>Diagonal Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : 2nd Floor Bathroom</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Ceilings								
Exposed Concrete	30%			LIFE	**	5	\$400	
Gypsum Board	10%			LIFE	**	5	\$1,200	
Plaster	60%	Now	\$15,000	LIFE	**	5	\$3,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Under Basement Stair, Garage Area</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Garage Area, Along 255th Street</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

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FIRE DEPARTMENT - 057
ENGINE CO. 251
Asset # : 13141

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Service Equipment								
	Fused Disc Sw	100%			2047	**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Amperes Main Disconnect Switch</i>								
<hr/>								
Raceway								
	Conduit	95%			2027	\$29,700	1	
	Conduit	5%	4+		2037	**	1	
<i>Covers Missing, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor Basement And Stairwell</i>								
<hr/>								
Panelboards								
	Molded Case Bkrs	100%			2035	**	5	\$200
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor And Bunk Room</i>								
<i>Explanation : Insufficient Receptacles</i>								
<hr/>								
Wiring								
	Braided Cloth	50%	2-4	\$13,800	2052	**	1	
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
	Thermoplastic	45%			2037	**	1	
	Thermoplastic	5%			2047	**	1	
<hr/>								
Motor Controllers								
	Locally Mounted	100%			2025	\$14,400	5	
<hr/>								
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$100
<hr/>								
Stand-by Power								
Transfer Switches								
	Automatic	100%			2040	**	1	\$1,900
<hr/>								
Generators								
	Diesel	100%			2036	**	1	\$2,400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : 40 Kva</i>								
<hr/>								
Batteries								
	Not Accessible	100%						
<hr/>								
Fuel Storage								
	Main Tank	100%			2055	**	5	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard Intergral With Generator</i>								
<i>Explanation : 125 Gallons</i>								
<hr/>								
Lighting								

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FIRE DEPARTMENT - 057
ENGINE CO. 251
Asset # : 13141

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Interior Lighting
Fluorescent

97% Now \$1,600 2027 \$16,100
Other Observation, Extent : Light, Area Affected : 100%
Location : Throughout
Explanation : T-8 Lamps

Incandescent

3% 2027 \$1,200 2

Egress Lighting

Emergency, Service

100% 2027 \$3,000 1

Exterior Lighting

HID

100% 2027 \$23,000 10

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100% 2047 * * 1

Conversion Equipment

Steam Boiler

100% 2040 * * 1 \$6,100
Other Observation, Extent : Light, Area Affected : 100%
Location : Basement
Explanation : One Unit

Distribution

Central Plant Steam

Piping/Pmp

100% Now \$4,800 2047 * * 4 \$300
Corroded, Extent : Moderate, Area Affected : 20%
Location : Basement And First Floor

Terminal Devices

Convactor/Radiator

10% Now \$300 2040 * * 1 \$200
Leak Evident, Extent : Moderate, Area Affected : 10%
Location : 2nd Floor Landing And Weight Room
Unit Inoperable, Extent : Light, Area Affected : 10%
Location : Dining Room

Convactor/Radiator

90% 0-2 \$27,500 2047 * * 1 \$1,600
Corroded, Extent : Moderate, Area Affected : 100%
Location : Throughout

Air Conditioning

Energy Source

Electricity

100% 2043 * * 1

Conversion Equipment

Window/Wall Unit

100% 2020 \$11,900 1

Ventilation

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FIRE DEPARTMENT - 057
ENGINE CO. 251
Asset # : 13141

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation								
Exhaust Fans								
Interior	90%			2032	**	2	\$200	
Wall Unit	10%			2032	**	2		
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Kitchen Hood Fan And Apparatus Floor</i>						
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2040	**	1		
Water Heater								
Gas Fired	100%			2025	\$3,500	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Two 74 Gallon</i>						
Sanitary Piping								
Cast Iron	100%	Now	\$4,200	LIFE	**	1		
		<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : By House Trap When It Rains</i>						
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2021	\$200	4	\$100	
Backflow Preventer								
No Component	80%							
Generic	20%			2032	**	1	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : For Boiler Intake Only</i>						
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	5%			2025	\$100	1-3	\$200	
No Component	95%							

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 253
Address : 2429 86th STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.253 / 13143 **Yr Built/Renovated** : 1895 / 2006
Area Sq Ft : 5,776 **Project Type** : FIRE DEPARTMENT
Date of Survey : 28-Jun-2012 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,3
Block : 6859 **Lot** : 65 **BIN** : 3185380

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$47,500	
Electrical	\$35,700	
Total	\$83,300	
Importance Code A	\$47,500	
Importance Code B	\$35,700	
Total	\$83,300	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$10,000	\$4,900	\$6,800	\$1,500
Interior Architecture	\$81,900			\$400
Electrical	\$23,800		\$20,200	\$6,400
Mechanical	\$13,500	\$900	\$32,400	\$900
Site Pavements	\$1,800			
Total	\$131,000	\$5,800	\$59,400	\$9,200
Importance Code A	\$10,600	\$5,500	\$7,300	\$2,100
Importance Code B	\$107,700	\$300	\$52,100	\$7,100
Importance Code C	\$12,700			
Total	\$131,000	\$5,800	\$59,400	\$9,200



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 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 253
Asset # : 13143

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$47,500	LIFE	**	5	\$14,400	
			<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Above Apparatus Door</i>					
			<i>Spalling, Extent : Severe, Area Affected : 10%</i>					
			<i>Location : Rear Facade</i>					
Masonry: Brownstone	5%	Now	\$9,300	LIFE	**	5	\$700	
			<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Above Apparatus Door</i>					
Wood Overhead Doors	15%			2036	**	5	\$13,500	
Windows								
Wood	100%			2045	**	5	\$9,900	
			<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
Parapets								
Cast Stone/Terra Cotta	40%			LIFE	**	5	\$1,900	
			<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
Metal Panel	60%			2049	**	5	\$1,400	
			<i>Recent Installation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Lower Roof</i>					
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Lower Roof</i>					
			<i>Explanation : Stainless Steel Flashing And Counter Flashing Completely Cover Brick</i>					
Roof								
Asphalt Shingle	85%			2032	**	10	\$1,500	
			<i>Recent Replace Evident, Extent : Light, Area Affected : 85%</i>					
			<i>Location : At Gabled Roofs</i>					
Modified Bitumen	15%			2028	\$10,200	10	\$1,600	
Interior								

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FIRE DEPARTMENT - 057
ENGINE CO. 253
Asset # : 13143

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	55%	Now	\$15,400	LIFE	**	5	\$9,900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Steel Columns And Beams Shoring Apparatus Floor Above</i>								
Ceramic Tile	5%	Now	\$2,600	2026	\$8,700	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	40%	Now	\$15,200	2028	\$30,500	3	\$1,200	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Hole In Kitchen Floor</i>								
<i>Uneven Substrate, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Hole In Kitchen Floor</i>								
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Masonry: Brick	15%	0-2	\$3,000	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Plaster	10%	Now	\$3,300	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement Stairway</i>								
Plaster	45%			LIFE	**	5	\$1,300	
Wood	20%	0-2	\$4,600	LIFE	**	5	\$7,600	
<i>Deteriorated Finish, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceilings								
AcousTileSusp.Lay-In	5%	0-2	\$200	2036	**	5	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Embossed Metal	30%	Now	\$3,000	LIFE	**	5	\$1,100	
<i>Deformed/Dented, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Exposed Concrete	30%	Now	\$34,600	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Plaster	35%			LIFE	**	5	\$1,800	
<i>Recent Repair Evident, Extent : Light, Area Affected : 5%</i>								
<i>Location : At Rear Of Second Floor</i>								
Site Enclosure								
Fence/Gates								
Chain link	100%			2043	**			
Site Pavements								

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FIRE DEPARTMENT - 057
ENGINE CO. 253
Asset # : 13143

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%	Now	\$1,200	2036		**		
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*Cracking/Crumbling, Extent : Light, Area Affected : 10%**Location : Throughout*

Parking/Driveway

Cast in Place Concrete	100%	Now	\$600	2036		**		
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*Cracking/Crumbling, Extent : Light, Area Affected : 5%**Location : Throughout*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2023	\$5,300	5		
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Basement**Explanation : One 200 Amperes Main Disconnect Switch*

Raceway

Conduit	100%			2023	\$34,200	1		
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Panelboards

Fused Disc Sw	15%			2022	\$6,300	5		
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Molded Case Bkrs	85%			2022	\$35,700	5	\$100	
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Wiring

Thermoplastic	100%			2023	\$30,300	1		
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Motor Controllers

Locally Mounted	100%			2021	\$15,700	5		
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Ground

Grounding Devices

Generic	100%			LIFE		**	5	\$100
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*Corroded, Extent : Moderate, Area Affected : 100%**Location :*

Lighting

Interior Lighting

Fluorescent	85%			2031		**	10	\$4,500
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Throughout**Explanation : T-8 Lamps*

Under Construction	15%							
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Egress Lighting

Emergency, Service	100%			2028	\$3,100	1		
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Exterior Lighting

HID	100%			2019	\$23,800	10		
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FIRE DEPARTMENT - 057
ENGINE CO. 253
Asset # : 13143

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2033	**	1		
Conversion Equipment								
Steam Boiler	100%			2036	**	1	\$5,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%	Now	\$2,000	2033	**	4	\$300	
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Terminal Devices								
Convactor/Radiator	100%			2021	\$31,600	1	\$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2031	**	1		
Conversion Equipment								
Reciprocating Compr/Chiller	10%			2028	\$5,000	1	\$300	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Window/Wall Unit	50%			2019	\$6,100	1		
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2028	\$6,700	1	\$200	
No Component	90%							
Heat Rejection								
Dry Cooler	10%			2028	\$1,900	2	\$400	
No Component	90%							
Ventilation								
Exhaust Fans								
Wall Unit	25%			2023	\$500	2		
No Component	75%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2033	**	1		
Water Heater								
Gas Fired	100%			2019	\$3,600	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units @ 75 Gallons Each</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 253
Asset # : 13143

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sump Pump(s) Non-Submersible	100%	0-2	\$900	2033	**	4	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Pump Set In Plastic Bucket / Existing Sump Pit In Disrepair</i>								
<hr/>								
Fixtures								
	Generic	100%						
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Newly Renovated</i>								
<hr/>								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 254/LADDER CO. 153
Address : 901 AVENUE U @ E. 9TH ST.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.254 / 13144 **Yr Built/Renovated** : 1924 /
Area Sq Ft : 5,376 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Jun-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 7112 **Lot** : 49 **BIN** : 3192210

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$120,400	\$161,000
Electrical	\$38,500	
Total	\$158,900	\$161,000
Importance Code A	\$120,400	\$161,000
Importance Code B	\$38,500	
Total	\$158,900	\$161,000

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$96,100			
Interior Architecture	\$93,400		\$700	\$400
Electrical	\$31,500		\$2,500	\$100
Mechanical	\$1,000	\$700	\$4,400	\$7,000
Total	\$222,000	\$700	\$7,500	\$7,500
Importance Code A	\$96,600	\$500	\$500	\$500
Importance Code B	\$121,700	\$200	\$6,700	\$7,000
Importance Code C	\$3,600		\$300	
Total	\$222,000	\$700	\$7,500	\$7,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 254/LADDER CO. 153
Asset # : 13144

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Copper/Terne	10%	Now	\$32,200	2028	\$161,000			
<i>Deformed/Dented, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	75%	Now	\$38,200	LIFE	**	5	\$12,700	
<i>Vertical Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : West (Main) Facade</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	5%	Now	\$5,000	LIFE	**	5	\$600	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	5%	Now	\$18,400	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	5%	Now	\$13,400	2028	\$26,700	5	\$2,100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%	Now	\$21,600	2031	**	5	\$900	
<i>Unit Inoperable, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$1,300	LIFE	**	5	\$1,500	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	80%	Now	\$46,000	LIFE	**	5	\$1,600	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%	Now	\$4,200	LIFE	**	5	\$300	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Roof								
Built-Up (BUR)	100%	Now	\$36,200	2033	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Main Roof</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Main Roof</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 254/LADDER CO. 153

Asset # : 13144

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$12,500	LIFE	**	5	\$8,800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	10%			2026	\$15,500	5	\$800	
Terrazzo	2%			LIFE	**	5	\$100	
Vinyl Tile	38%	Now	\$25,900	2033	**	3	\$1,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : 2nd Floor</i>								
Interior Walls								
Ceramic Tile	5%			2026	\$15,700	5	\$600	
Gypsum Board	10%			LIFE	**	5	\$700	
Masonry: Brick	15%			LIFE	**			
Plaster	40%	Now	\$3,600	LIFE	**	5	\$1,400	
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor Bunk Room</i>								
SGFT/Glazed Masonry	30%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	30%	Now	\$19,100	2043	**	5	\$1,200	
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Embossed Metal	10%	Now	\$1,400	LIFE	**	5	\$400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Exposed Concrete	30%			LIFE	**	5	\$400	
Plaster	30%	Now	\$30,900	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2023	\$4,800	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 200 Amperes</i>								
Raceway								
Conduit	80%			2023	\$25,000	1		
Conduit	20%			2049	**	1		

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 254/LADDER CO. 153
Asset # : 13144

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Molded Case Bkrs	100%			2022	\$38,500	5	\$100	
Wiring								
Thermoplastic	80%			2023	\$22,200	1		
Thermoplastic	20%			2049	**	1		
Motor Controllers								
Locally Mounted	100%			2028	\$14,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Water Main</i>								
<i>Explanation : Main Water Pipe</i>								
Lighting								
Interior Lighting								
Fluorescent	50%			2031	**	10	\$2,500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	50%			2019	\$7,300	10	\$2,500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-12 Lamps</i>								
Egress Lighting								
Exit, Service	50%			2019	\$300	1		
Exit, Battery	50%			2019	\$1,000	10	\$200	
Exterior Lighting								
HID	100%			2019	\$20,300	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Steam Boiler	100%			2036	**	1	\$5,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Natural Gas Fired Steam Boiler</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2033	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2028	\$26,900	1	\$1,700	
Air Conditioning								

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FIRE DEPARTMENT - 057
ENGINE CO. 254/LADDER CO. 153
Asset # : 13144

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Energy Source								
	Electricity	100%			2039	**	1	
Conversion Equipment								
	Exterior Pkg Unit - Cooling	20%			2023	\$8,100	2	\$100
	Window/Wall Unit	60%			2022	\$6,300	1	
	No Component	20%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$3,000
Exhaust Fans								
	Roof	30%			2028	\$2,500	2	\$100
	Wall Unit	20%			2023	\$400	2	
	No Component	50%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2043	**	1	
Water Heater								
	Gas Fired	100%			2021	\$3,100	2	\$100
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2019	\$200	4	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Pump Is Incapable Of Handling Heavy Storm Water Downpour</i>								
Backflow Preventer								
	Generic	100%			2028	\$1,300	1	\$300
Fixtures								
	Generic	100%						

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 255/ LADDER 157
Address : 1367 ROGERS AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.255 / 13145 **Yr Built/Renovated** : 1897 / 2000
Area Sq Ft : 8,453 **Project Type** : FIRE DEPARTMENT
Date of Survey : 12-Apr-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Floors 1,2
Block : 5229 **Lot** : 9 **BIN** : 3120929

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$108,500
Interior Architecture		\$43,000
Mechanical		\$93,500
Total		\$245,000
Importance Code A		\$159,700
Importance Code B		\$85,300
Total		\$245,000

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$48,800			
Interior Architecture	\$8,600		\$500	\$1,300
Electrical	\$33,600		\$14,400	
Mechanical	\$19,800	\$1,400	\$4,200	\$1,400
Total	\$110,800	\$1,400	\$19,100	\$2,700
Importance Code A	\$54,500	\$800	\$800	\$800
Importance Code B	\$56,300	\$500	\$18,300	\$1,500
Importance Code C				\$300
Total	\$110,800	\$1,400	\$19,100	\$2,700



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 255/ LADDER 157
Asset # : 13145

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$18,100	
Masonry: Brick	75%	4+	\$26,200	LIFE	**	5	\$17,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Side Facade</i>								
Metal Sect. OHD	15%	4+	\$10,900	2028	\$108,500	5	\$5,400	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Apparatus Door</i>								
<i>Explanation : Dents At Lower Interior Sections Of Overhead Door Broken Glazing At Metal Swing Doors At Front</i>								
Windows								
Aluminum	100%	Now	\$11,700	2031	**	5	\$700	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
Parapets								
Masonry: Brick	80%			LIFE	**	5	\$2,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Parapet At Roof</i>								
<i>Explanation : Roof Side Of Parapet Not Surveyed- Inaccessible</i>								
Masonry: Limestone	5%			LIFE	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Parapet At Roof</i>								
<i>Explanation : Surveyed From Street- Roof Side Of Parapet Inaccessible</i>								
Pre-Cast Concrete	15%			LIFE	**	5	\$2,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Parapet At Roof</i>								
<i>Explanation : Surveyed From Street- Roof Side Of Parapet Inaccessible</i>								
Roof								
Not Accessible	100%							
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$13,800	
Ceramic Tile	5%			2032	**	5	\$600	
Quarry Tile	5%			2036	**	5	\$900	
Vinyl Tile	40%	Now	\$8,600	2028	\$43,000	3	\$1,900	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								
<i>Other Observation, Extent : Light, Area Affected : 60%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : 9 X 9 Tiles</i>								

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 255/ LADDER 157
Asset # : 13145

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	5%			2032	**	5	\$700	
Gypsum Board	5%			LIFE	**	5	\$400	
Masonry: Brick	20%			LIFE	**			
Plaster	45%			LIFE	**	5	\$1,800	
SGFT/Glazed Masonry	20%			LIFE	**			
Wood	5%			LIFE	**	5	\$2,700	
Ceilings								
AcousTileSusp.Lay-In	5%			2028	\$5,100	5	\$600	
Embossed Metal	55%			LIFE	**	5	\$3,100	
<i>Staining/Discoloring, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Steel	25%			LIFE	**			
Plaster	15%			LIFE	**	5	\$1,200	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%	2-4	\$4,800	2053	**	5		
<i>Enclosure Corroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 200 Amp, 3 Phase, 208/120 V</i>								
Raceway								
Conduit	100%			2023	\$31,300	1		
Panelboards								
Molded Case Bkrs	100%	0-2	\$7,700	2048	**	5	\$100	
<i>Enclosure Corroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Main Panel In Basement</i>								
<i>Aged Component, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Main Panel In Basement</i>								
Wiring								
Thermoplastic	100%			2033	**	1		
Motor Controllers								
Locally Mounted	100%			2021	\$14,400	5	\$100	
Ground								
Grounding Devices								
Generic	100%	Now	\$9,500	LIFE	**	5	\$100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Grounding Is Connected To Abandoned Water Service</i>								

Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 255/ LADDER 157
Asset # : 13145

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting								
Fluorescent	30%	Now	\$6,900	2033	**			
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fluorescent	60%			2023	\$13,700	10	\$4,700	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fluorescent	5%			2019	\$1,100	10	\$400	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Incandescent	5%			2019	\$2,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Mechanical Room</i>								
<i>Explanation : Downlights</i>								
Exterior Lighting								
HID	50%	Now	\$500	2033	**			
<i>Damaged Fixtures, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
HID	50%			2023	\$500	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Facade And Parking Lot</i>								
<i>Explanation : Wall Mounted, Controlled Via Photocell</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Steam Boiler	100%			2028	\$51,200	1	\$8,400	
Distribution								
Central Plant Steam Piping/Pmp	100%			2033	**	4	\$400	
Terminal Devices								
Convactor/Radiator	100%			2028	\$42,300	1	\$2,700	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Window/Wall Unit	80%			2019	\$13,200	1		
No Component	20%							
Ventilation								
Exhaust Fans								
Wall Unit	100%			2023	\$2,800	2	\$300	

Plumbing

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 255/ LADDER 157
Asset # : 13145

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	H/C Water Piping Brass/Copper	100%			2043	**	1	
<i>Booster Pump w/Tank, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
	Water Heater Gas Fired	100%			2019	\$4,800	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 - 75 Gallon Unit</i>								
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Sump Pump(s) Submersible	100%			2019	\$300	4	\$300
	Fixtures Generic	100%						
Fire Suppression								
	Chemical System Wet	100%			2021	\$2,100	1-3	\$4,200

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 257/LADDER 170 / BATTALION 58
Address : 1361 ROCKAWAY PARKWAY
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.257 / 13146 **Yr Built/Renovated** : 1907 / 2010
Area Sq Ft : 8,142 **Project Type** : FIRE DEPARTMENT
Date of Survey : 12-Apr-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 8166 **Lot** : 33 **BIN** : 3229407

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$67,300	
Interior Architecture	\$72,900	\$172,900
Electrical	\$15,400	
Mechanical		\$86,000
Total	\$155,600	\$258,800
Importance Code A	\$67,300	\$49,300
Importance Code B	\$88,300	\$90,200
Importance Code C		\$119,400
Total	\$155,600	\$258,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$52,900		\$17,300	
Interior Architecture	\$66,400	\$300	\$1,200	\$800
Electrical	\$5,500	\$700	\$15,000	\$600
Mechanical	\$22,600	\$1,600	\$9,700	\$1,600
Total	\$147,500	\$2,700	\$43,100	\$3,000
Importance Code A	\$53,800	\$800	\$18,100	\$800
Importance Code B	\$78,800	\$1,900	\$24,100	\$2,200
Importance Code C	\$14,900		\$900	
Total	\$147,500	\$2,700	\$43,100	\$3,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 257/LADDER 170 / BATTALION 58

Asset # : 13146

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	87%	2-4	\$67,300	LIFE	**	5	\$22,400	
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Farragut Road Facade And Hose Tower</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout, Except Front Facade</i>								
Masonry: Granite	2%			LIFE	**	5	\$400	
Masonry: Limestone	3%			LIFE	**	5	\$600	
Metal Sect. OHD	5%			2036	**	5	\$4,000	
Stucco Cement	3%	4+	\$1,100	2036	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Front Facade</i>								
Windows								
Aluminum	70%	Now	\$33,000	2048	**	5	\$1,000	
<i>Unit Inoperable, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Wood	30%	Now	\$11,900	2048	**	5	\$4,200	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 1st Floor Side Facade Near Front- Sash Missing</i>								
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,700	
Masonry: Brick	45%	Now	\$5,600	LIFE	**	5	\$1,000	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Hose Tower</i>								
Metal Rail	20%			2036	**	5-10	\$7,800	
Stucco Cement	25%	Now	\$1,400	2036	**	5	\$700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Top Of Hose Tower</i>								
Roof								
Modified Bitumen	100%			2031	**	10	\$12,200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 257/LADDER 170 / BATTALION 58
Asset # : 13146

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$17,700	LIFE	**	5	\$12,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Apparatus Floor Near Ladder Truck Bay</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Temporary Shoring In Basement</i>								
Ceramic Tile	5%			2026	\$12,200	5	\$600	
Vinyl Tile	50%	2-4	\$26,800	2028	\$53,500	3	\$2,400	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	25%	Now	\$6,000	2026	\$119,400	5	\$2,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Ladder Truck Side And At Rear Wall Under Windows</i>								
Ceramic Tile	10%			2036	**	5	\$1,700	
<i>Recent Construction, Extent : Light, Area Affected : 100%</i>								
<i>Location : Handicap Restroom And Kitchen</i>								
Masonry: Brick	35%	2-4	\$4,700	LIFE	**			
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Front Wall</i>								
Plaster	30%	Now	\$4,200	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Ceilings								
AcousTileSusp.Lay-In	5%	Now	\$5,100	2043	**	5	\$300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor Offices</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Offices And 1st Floor Lounge</i>								
AcousTileSusp.Lay-In	5%			2040	**	5	\$600	
Embossed Metal	35%			LIFE	**	5	\$2,000	
Exposed Concrete	30%	Now	\$72,900	LIFE	**	5	\$600	
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Steel Beam At Front Wall</i>								
<i>Spalling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Basement</i>								
<i>Explanation : Temporary Supports Under Apparatus Floor</i>								
Plaster	25%	Now	\$2,100	LIFE	**	5	\$2,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 257/LADDER 170 / BATTALION 58
Asset # : 13146

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2049	**	5		
		<i>Recent Installation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement Electrical Section</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement Electrical Section</i>						
		<i>Explanation : 400 Amp</i>						
Raceway								
Conduit	100%			2023	\$31,300	1		
Panelboards								
Molded Case Bkrs	60%			2039	**	5	\$100	
Molded Case Bkrs	40%			2022	\$15,400	5	\$100	
Wiring								
Thermoplastic	90%			2023	\$24,900	1		
Thermoplastic	10%			2049	**	1		
Motor Controllers								
Locally Mounted	100%			2021	\$14,400	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2040	**	1	\$2,500	
		<i>Recent Installation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 400 Amp</i>						
Generators								
Diesel	100%			2036	**	1	\$3,200	
		<i>Recent Installation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Side Yard, Inaccessible</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Side Yard, Inaccessible</i>						
		<i>Explanation : Unable To Read Size</i>						
Batteries								
Not Accessible	100%							
Fuel Storage								
Day Tank	20%			2045	**	5	\$300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Side Yard</i>						
		<i>Explanation : 120 Gallon Diesel Fuel Tank</i>						
Main Tank	80%			2038	**	5	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 550 Gallon Diesel Fuel Tank</i>						

Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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FIRE DEPARTMENT - 057
ENGINE CO. 257/LADDER 170 / BATTALION 58
Asset # : 13146

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	5%			2023	\$1,100	10	\$400	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fluorescent	80%			2028	\$17,600	10	\$6,000	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fluorescent	10%	Now	\$2,200	2033	**			
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Burnt Out</i>								
Incandescent	2%	Now	\$1,000	2033	**	2		
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Burnt Out</i>								
Incandescent	3%			2019	\$1,600	2		
Egress Lighting								
Emergency, Service	100%			2023	\$4,000	1		
Exterior Lighting								
Incandescent	100%			2023	\$26,100	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Facade And Side Yard</i>								
<i>Explanation : Wall Mounted, Controlled Via Time Clock</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Fuel Oil	100%			2033	**	5	\$2,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Vault</i>								
<i>Explanation : 1,800 Gallon Tank</i>								
Conversion Equipment Steam Boiler	100%			2028	\$49,300	1	\$8,100	
Distribution								
Central Plant Steam Piping/Pmp	100%			2033	**	4	\$400	
Terminal Devices								
Convactor/Radiator	90%			2028	\$36,700	1	\$2,400	
Fan Coil Unit/Heat	10%			2019	\$11,400	1	\$300	
Air Conditioning								
Energy Source Electricity	100%			2039	**	1		

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 257/LADDER 170 / BATTALION 58
Asset # : 13146

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Exterior Pkg Unit - Cooling	20%			2028	\$12,300	2	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st Floor</i>					
			<i>Explanation : 2 - Split Units</i>					
	Window/Wall Unit	60%			2019	\$9,500	1	
	No Component	20%						
Distribution								
	Ductwork/Diffusers	10%			LIFE	**	2	\$1,100
	No Component	90%						
Terminal Devices								
	Air Handler/Dir Expansion	10%			2028	\$6,800	1	
	No Component	90%						
Heat Rejection								
	Dry Cooler	20%			2028	\$6,600	2	\$1,100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st Floor</i>					
			<i>Explanation : 2 - Split Units</i>					
	No Component	80%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,500
Exhaust Fans								
	Roof	90%			2028	\$11,400	2	\$200
	Wall Unit	10%			2023	\$300	2	
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2033	**	1	
Water Heater								
	Gas Fired	100%			2021	\$4,600	2	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 - 75 Gallon Units</i>					
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2019	\$300	4	\$300
Backflow Preventer								
	No Component	95%						
	Generic	5%			2028	\$100	1	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Serves Boiler Only</i>					

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 257/LADDER 170 / BATTALION 58
Asset # : 13146

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing	Fixtures							
	Generic	100%						
Fire Suppression	Chemical System							
	Wet	100%			2021	\$2,100	1-3	\$4,200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : Serves Cooking Area</i>					

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 258/LADDER CO. 115
Address : 10-10 47TH AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.258 / 13147 **Yr Built/Renovated** : 1903 / 2009
Area Sq Ft : 10,491 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-Jun-2015 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3,4
Block : 46 **Lot** : 34 **BIN** : 4000333

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$155,800	
Interior Architecture	\$76,300	
Mechanical	\$72,600	
Total	\$304,700	
Importance Code A	\$155,800	
Importance Code B	\$148,900	
Total	\$304,700	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$56,300		\$9,200	
Interior Architecture	\$58,400			
Electrical	\$9,600	\$800	\$29,900	\$800
Mechanical	\$3,400	\$1,800	\$15,500	\$1,600
Total	\$127,700	\$2,600	\$54,600	\$2,400
Importance Code A	\$56,800	\$500	\$9,700	\$500
Importance Code B	\$55,000	\$2,100	\$44,900	\$1,900
Importance Code C	\$15,800			
Total	\$127,700	\$2,600	\$54,600	\$2,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 258/LADDER CO. 115

Asset # : 13147

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	3%			LIFE	**	5	\$9,100	
Masonry: Brick	75%	Now	\$95,900	LIFE	**	5	\$29,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Northwest Corner Including Street Side Parapet</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 2%</i>								
<i>Location : East Facade.</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations</i>								
<i>Explanation : Water Infiltration During Heavy Rain Observed By Firefighters.</i>								
Masonry: Granite	2%			LIFE	**	5	\$600	
Masonry: Limestone	10%	0-2	\$10,300	LIFE	**	5	\$2,900	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade.</i>								
Metal Sect. OHD	5%			2031	**	5	\$6,100	
Stucco Cement	5%			2031	**	5	\$4,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 4th Floor Bulkhead</i>								
<i>Explanation : Stucco Located At 4th Floor Observed From Roof.</i>								
Windows								
Aluminum	100%	Now	\$18,600	2042	**	5	\$1,000	
<i>Unit Inoperable, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Parapets								
Metal Panel	70%			2036	**	5	\$7,400	
Metal Rail	30%	Now	\$1,200	2031	**	5	\$5,800	
<i>Corrosion/Rusting, Extent : Light, Area Affected : 5%</i>								
<i>Location : At The Corners.</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 258/LADDER CO. 115
Asset # : 13147

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Built-Up (BUR)	85%	Now	\$18,000	2021	\$59,900			
<i>Blisters, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Main Roof</i>								
<i>Drains Clogged, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Towards Front Of Building</i>								
<i>Ponding, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
<i>Explanation : Poor Installation On Replacement Roof.</i>								
Metal Panel	10%			2039	**	10	\$2,600	
Skylight, Metal/Glass	5%	Now	\$5,700	2036	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Over Stair.</i>								
<i>Explanation : Needs Complete Re-caulking.</i>								
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$13,700	
Ceramic Tile	15%	Now	\$2,500	2029	**	5	\$1,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen.</i>								
Wood	45%	0-2	\$76,300	2041	**	5	\$6,600	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : 1st And 2nd Floor.</i>								
<i>Loose/Miss Fasteners, Extent : Light, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 258/LADDER CO. 115
Asset # : 13147

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	10%			2029	**	5	\$3,200	
Concrete Masonry Unit	20%	4+	\$7,800	LIFE	**	5	\$2,600	
<i>Staining/Discoloring, Extent : Light, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Gypsum Board	10%	Now	\$700	LIFE	**	5	\$1,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Various Locations</i>								
Masonry: Brick	20%			LIFE	**			
<i>Paint Peeling, Extent : Light, Area Affected : 25%</i>								
<i>Location : Apparatus Room</i>								
Plaster	40%	Now	\$5,700	LIFE	**	5	\$3,900	
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 3rd Floor Under Skylight In Pool Room And Various Other Locations.</i>								
Ceilings								
AcousTileSusp.Lay-In	35%	Now	\$14,500	2031	**	5	\$2,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations Throughout.</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : 2nd, 3rd And 4th Floor Mezzanine Lounge Area.</i>								
Embossed Metal	45%	Now	\$13,500	LIFE	**	5	\$3,200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : 4th Floor And Apparatus Room</i>								
<i>Deformed/Dented, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 4th Floor And Apparatus Room</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 4th Floor And Apparatus Room</i>								
Exposed Struc: Steel	15%	Now	\$10,800	LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : 3rd Floor, Rear Wall And Basement</i>								
<i>Explanation : Rusted Lintel Above Window.</i>								
Plaster	5%	Now	\$1,100	LIFE	**	5	\$500	
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Truck Bay Stair And 2nd Floor Offices</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

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FIRE DEPARTMENT - 057
ENGINE CO. 258/LADDER CO. 115

Asset # : 13147

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
	Service Equipment							
	Fused Disc Sw	100%			2046	**	5	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 800 Amperes Service</i>					
	Switchgear / Switchboard							
	Molded Case Bkrs	100%			2046	**	5	\$300
	Raceway							
	Conduit	90%			2036	**	1	
	Conduit	10%			2046	**	1	
	Panelboards							
	Fused Disc Sw	10%			2034	**	5	
	Molded Case Bkrs	90%			2034	**	5	\$200
	Wiring							
	Thermoplastic	100%			2036	**	1	
	Motor Controllers							
	Locally Mounted	100%			2031	**	5	\$100
Ground								
	Grounding Devices							
	Generic	100%			LIFE	**	5	\$200
Stand-by Power								
	Transfer Switches							
	Automatic	100%			2039	**	1	\$3,200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 400 Amp</i>					
	Generators							
	Diesel	100%			2029	**	1	\$4,100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 250kw</i>					
	Batteries							
	Lead/Acid	100%			2019	\$1,600	5	\$400
	Fuel Storage							
	Day Tank	100%			2034	**	5	\$1,900
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Outside Rear Yard</i>					
			<i>Explanation : 125 Gallons</i>					
Lighting								
	Interior Lighting							
	Fluorescent	90%			2026	\$27,900	10	\$8,700
			<i>T-5 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
	Incandescent	10%			2021	\$7,300	2	
	Egress Lighting							
	Emergency, Battery	50%			2026	\$7,700	10	\$1,300
	Exit, Battery	50%			2026	\$2,100	10	\$400

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FIRE DEPARTMENT - 057
ENGINE CO. 258/LADDER CO. 115
Asset # : 13147

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting								
HID	50%			2021	\$21,600	10		
No Component	50%							

Alarm

Fire/Smoke Detection								
No Component	95%							
Generic, Analog	5%	4+	\$5,900	2036	**	1-3	\$300	

Local/Battery Operated Detect, Extent : Light, Area Affected : 100%

Location : Throughout

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source								
Natural Gas	100%			2052	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2039	**	1	\$5,200	
Distribution								
Hot Wtr Piping/Pump	100%			2042	**	4	\$500	
Terminal Devices								
Convactor/Radiator	90%			2039	**	1	\$3,100	
Unit Heater - Steam	10%			2031	**	4	\$100	

Air Conditioning

Energy Source								
Electricity	100%			2048	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	95%	2-4	\$72,600	2036	**	2	\$500	

R-22 Refrigerant, Extent : Light, Area Affected : 100%

Location : 7 Roof Units

Other Observation, Extent : Moderate, Area Affected : 100%

Location : Roof

Explanation : On Extended Life

Window/Wall Unit	5%			2021	\$1,100	1		
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$13,700	

Ventilation

Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,900	
Exhaust Fans								
Interior	50%			2026	\$19,100	2	\$200	
Roof	50%			2021	\$8,900	2	\$200	

Plumbing

H/C Water Piping								
Brass/Copper	100%			2052	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 258/LADDER CO. 115
Asset # : 13147

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Water Heater Gas Fired	100%			2024	\$6,500	2	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 75 Gallon Units</i>								
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Combination Sewer Backs Up During Heavy Rains</i>								
	Storm Drain Piping Cast Iron	100%	0-2	\$2,200	LIFE	**	1	
<i>Blockage /Clogged, Extent : Light, Area Affected : 20%</i>								
<i>Location : Roof Drain</i>								
	Sump Pump(s) Submersible	100%			2020	\$400	4	\$300
	Backflow Preventer Generic	100%			2034	**	1	\$600
	Fixtures Generic	100%						
Fire Suppression								
	Sprinkler Generic	100%			2052	**	1-2	\$2,900
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : System Serves Cooking Area</i>								

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 259/LADDER CO. 128 /BATTALION 45
Address : 33-49 GREENPOINT AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.259 / 13148 **Yr Built/Renovated** : 1907 / 2009
Area Sq Ft : 15,800 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 307 **Lot** : 29 **BIN** : 4003673

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$12,000	\$900		\$12,500
Interior Architecture	\$19,700	\$5,100	\$3,300	
Electrical	\$1,200	\$1,400	\$3,000	\$16,900
Mechanical	\$12,900	\$2,300	\$8,100	\$2,800
Total	\$45,800	\$9,800	\$14,400	\$32,200
Importance Code A	\$12,800	\$1,700	\$800	\$13,300
Importance Code B	\$21,200	\$8,000	\$13,600	\$18,900
Importance Code C	\$11,800			
Total	\$45,800	\$9,800	\$14,400	\$32,200



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FIRE DEPARTMENT - 057
ENGINE CO. 259/LADDER CO. 128 /BATTALION 45
Asset # : 13148

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%	0-2	\$5,100	LIFE	**	5	\$8,400	
<i>Recent Repair Evident, Extent : Light, Area Affected : 25%</i>								
<i>Location : Mortar Joints Sealed On Street Facade. Previous Water Penetration Throughout Facade In Driving Rain Storms</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : At Window Lintels</i>								
Masonry: Brick Cavity	10%			LIFE	**	5	\$1,200	
Masonry: Limestone	2%			LIFE	**	5	\$200	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Third Floor Window Lintels</i>								
Metal Panel	10%			2047	**	5-10	\$8,300	
Metal Sect. OHD	5%			2040	**	5	\$1,900	
Pre-Cast Concrete	3%			LIFE	**	5	\$1,200	
Windows								
Aluminum	100%	Now	\$800	2043	**	5	\$200	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor Front</i>								
<i>Weather Strip Missing, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%	2-4	\$400	LIFE	**	5	\$1,100	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
Masonry: Brick Cavity	65%			LIFE	**	5	\$900	
Metal Panel	5%			2053	**	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof Parapet</i>								
<i>Explanation : Metal Coping</i>								
Metal Panel	20%			2047	**	5	\$1,100	
Roof								
IRMA/Protected Membrane	5%	4+	\$200	2027			\$5,000	
<i>Vegetation Growth, Extent : Light, Area Affected : 20%</i>								
<i>Location : Lower Roof Above Kitchen</i>								
Modified Bitumen	77%			2032	**	10	\$9,600	
Plaza Roof: Stone Panels	15%			2047	**			
Skylight, Metal/Glass	3%	Now	\$5,500	2047	**			
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Kitchen Skylight</i>								
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$21,500	
Ceramic Tile	30%			2036	**	5	\$6,500	
Wood	25%			2055	**	5	\$10,200	

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FIRE DEPARTMENT - 057
ENGINE CO. 259/LADDER CO. 128 /BATTALION 45
Asset # : 13148

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Cast in Place Concrete	15%			LIFE	**			
Ceramic Tile	5%	Now	\$10,500	2036	**	5	\$600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Stairs To Basement</i>								
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Mens 3rd Floor Bathroom</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Apparatus Room</i>								
Concrete Masonry Unit	10%			LIFE	**	5	\$1,000	
Gypsum Board	64%	Now	\$1,300	LIFE	**	5	\$9,700	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : 3rd Floor Front</i>								
Metal Panel	1%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Housewatch</i>								
<i>Explanation : Stainless Steel Panels</i>								
Wood	5%			LIFE	**	5	\$5,100	
Ceilings								
AcousTileSusp.Lay-In	15%	4+	\$1,300	2040	**	5	\$1,600	
<i>Staining/Discoloring, Extent : Light, Area Affected : 2%</i>								
<i>Location : 2nd And 3rd Floor Offices</i>								
Exposed Struc: Steel	25%			LIFE	**			
Gypsum Board	60%	4+	\$6,600	LIFE	**	5	\$16,400	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 3rd Floor Bathroom, 3rd Floor Front</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 3rd Floor Bunkroom</i>								
<i>Explanation : Paint Peeling</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2047	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated @ 600 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2047	**	5	\$400	
Raceway								
Conduit	100%			2047	**	1		
Panelboards								
Molded Case Bkrs	100%			2043	**	5	\$400	

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FIRE DEPARTMENT - 057
ENGINE CO. 259/LADDER CO. 128 /BATTALION 45
Asset # : 13148

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Wiring								
Thermoplastic	100%			2047	**	1		
Motor Controllers								
Locally Mounted	100%			2040	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2040	**	1	\$4,900	
Generators								
Diesel	100%			2036	**	1	\$6,100	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Emergency Generator Rated @ 180kw</i>					
Batteries								
Lead/Acid	100%			2021	\$1,500	5	\$600	
Fuel Storage								
Day Tank								
	50%			2043	**	5	\$1,500	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 60 Gallons Rated Capacity</i>					
Main Tank								
	50%			2055	**	5	\$200	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 550 Gallons Rated Capacity</i>					
Lighting								
Interior Lighting								
Fluorescent								
	99%			2032	**	10	\$14,300	
			<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
Fluorescent								
	1%			2032	**	10	\$100	
			<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Shower Room</i>					
Egress Lighting								
Emergency, Service	25%			2032	**	1		
Emergency, Battery	25%			2032	**	10	\$1,000	
Exit, LED	50%			2055	**	1		
Exterior Lighting								
HID	20%			2032	**	10		
No Component	80%							
Alarm								

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FIRE DEPARTMENT - 057
ENGINE CO. 259/LADDER CO. 128 /BATTALION 45
Asset # : 13148

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Security System

No Component

90%

Generic

10%

2032

* *

1

\$600

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Outside**Explanation : CCTV Surveillance Camera*

Fire/Smoke Detection

No Component

95%

Generic, Analog

5%

2027

\$8,200

1-3

\$500

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : 1st Floor**Explanation : Alarm Bells*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2053

* *

1

Conversion Equipment

Hot Water Boiler

100%

2040

* *

1

\$7,800

Distribution

Hot Wtr Piping/Pump

90%

2049

* *

4

\$700

Hot Wtr Piping/Pump

10%

Now

\$2,300

2052

* *

4

\$100

*Other Observation, Extent : Severe, Area Affected : 100%**Location : Third Floor Ceiling**Explanation : Ruptured*

Terminal Devices

Convactor/Radiator

50%

2040

* *

1

\$2,600

Convactor/Radiator

10%

0-2

\$7,900

2047

* *

1

\$500

*Corroded, Extent : Severe, Area Affected : 100%**Location : Third Floor Bathroom*

Fan Coil Unit/Heat

40%

2032

* *

1

\$2,000

Air Conditioning

Energy Source

Electricity

100%

2049

* *

1

Conversion Equipment

Exterior Pkg Unit -

70%

2032

* *

2

\$700

Cooling

Split Unit

5%

2032

* *

No Component

25%

Distribution

Ductwork/Diffusers

70%

LIFE

* *

2

\$14,400

No Component

30%

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FIRE DEPARTMENT - 057
ENGINE CO. 259/LADDER CO. 128 /BATTALION 45
Asset # : 13148

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning	Heat Rejection							
	Dry Cooler	5%			2032	**	2	\$600
	No Component	95%						
Ventilation	Distribution							
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$8,800
	Exhaust Fans							
	Interior	20%			2032	**	2	\$100
	Roof	80%			2032	**	2	\$400
Plumbing	H/C Water Piping							
	Brass/Copper	100%			2047	**	1	
	Water Heater							
	Gas Fired	100%			2026	\$9,000	2	\$200
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Cellar</i>							
	<i>Explanation : Two 75 Gallon Heaters</i>							
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2021	\$500	4	\$300
	Backflow Preventer							
	Generic	100%			2035	**	1	\$1,000
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Cellar</i>							
	<i>Explanation : Backflow Preventers On Domestic Water, Sprinkler And Boiler Water Feeds</i>							
	Fixtures							
	Generic	100%						
Fire Suppression	Sprinkler							
	Generic	100%			2053	**	1-2	\$4,400
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
	<i>Explanation : Building Fully Sprinklered Including Cellar</i>							
	Chemical System							
	Wet	100%			2025	\$2,100	1-3	\$4,600

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 26
Address : 220 WEST 37th STREET BET 7TH AVE AND 8TH AVE
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.026 / 13019 **Yr Built/Renovated** : 1869 / 2010
Area Sq Ft : 7,221 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Mar-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 786 **Lot** : 61 **BIN** : 1014447

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$80,000	\$98,700
Interior Architecture	\$41,300	\$26,700
Mechanical	\$36,100	
Total	\$157,400	\$125,400
Importance Code A	\$80,000	\$98,700
Importance Code B	\$77,400	\$26,700
Total	\$157,400	\$125,400

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$39,200			
Interior Architecture	\$41,500		\$100	\$600
Electrical	\$27,300		\$1,700	\$28,900
Mechanical	\$14,200	\$1,200	\$5,700	\$1,200
Total	\$122,200	\$1,200	\$7,500	\$30,700
Importance Code A	\$39,900	\$700	\$700	\$700
Importance Code B	\$57,400	\$500	\$6,800	\$30,000
Importance Code C	\$24,900			
Total	\$122,200	\$1,200	\$7,500	\$30,700



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 26
Asset # : 13019

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Iron	5%			LIFE	**			
Masonry: Brick	85%	2-4	\$80,000	LIFE	**	5	\$26,500	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front And Rear Facades</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front And Rear Facades</i>								
<i>Other Observation, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Front</i>								
<i>Explanation : Entrance Door Damaged</i>								
Wood Overhead Doors	10%			2028	\$98,700	5	\$15,600	
Windows								
Aluminum	100%	Now	\$27,700	2031	**	5	\$600	1
<i>Air Infiltration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 40%</i>								
<i>Location : 3rd Floor Front Office And Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$600	
Masonry: Brick	85%			LIFE	**	5	\$700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
Metal Cornice	5%	Now	\$1,200	2038	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Front Facade</i>								
Roof								
Asphalt Shingle	5%	Now	\$600	2026	\$1,100			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Modified Bitumen	90%			2028	\$34,700	10	\$6,000	
Skylight, Metal/Glass	5%	2-4	\$9,800	2033	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								
<i>Deformed/Dented, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 26
Asset # : 13019

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior Floors								
Cast in Place Concrete	20%	0-2	\$1,100	LIFE	**	5	\$4,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	15%			2038	**	5	\$1,600	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	45%	Now	\$41,300	2033	**	3	\$1,800	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st, 2nd And 3rd Floors Throughout</i>								
Vinyl Tile	10%			2033	**	3	\$400	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Wood	10%			2063	**	5	\$2,000	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	20%			2038	**	5	\$2,900	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	10%	Now	\$5,600	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front And Back Of Building In Basement</i>								
<i>Water Penetration, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout Front And Back, Basement</i>								
Plaster	55%	Now	\$12,800	LIFE	**	5	\$2,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd And 3rd Floors</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : 2nd And 3rd Floors Throughout</i>								
SGFT/Glazed Masonry	10%	Now	\$5,600	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 30%</i>								
<i>Location : 1st Floor</i>								
Wood	5%	Now	\$800	LIFE	**	5	\$2,900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : 3rd Floor Behind Cab</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 26
Asset # : 13019

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	30%	Now	\$10,700	2028	\$26,700	5	\$1,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Basement, 1st, 2nd And 3rd Floors Throughout</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Basement, 1st, 2nd And 3rd Floors</i>								
AcousTileSusp.Lay-In	20%			2043	**	5	\$2,200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Embossed Metal	20%	Now	\$4,800	LIFE	**	5	\$1,000	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 1st Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : 1st Floor</i>								
Exposed Concrete	10%			LIFE	**	5	\$200	
Plaster	20%			LIFE	**	5	\$1,400	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2023	\$4,800	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 200 Amp</i>								
Raceway								
Conduit	50%			2049	**	1		
Conduit	50%			2033	**	1		
Panelboards								
Fused Disc Sw	10%			2022	\$3,800	5		
Fused Disc Sw	5%			2031	**	5		
Molded Case Bkrs	65%			2022	\$25,000	5	\$100	
Molded Case Bkrs	20%			2045	**	5		
Wiring								
Thermoplastic	20%			2033	**	1		
Thermoplastic	10%			2049	**	1		
Thermoplastic	70%			2023	\$19,400	1		
Motor Controllers								
Locally Mounted	100%			2028	\$14,400	5		

Ground

Grounding Devices
Generic

100%	Now	\$9,500	LIFE	**	5	\$100
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>						
<i>Location : Basement</i>						
<i>Explanation : Ground Conductor Is Not Connected To The Main Water Service.</i>						

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FIRE DEPARTMENT - 057
ENGINE CO. 26
Asset # : 13019

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting								
Fluorescent	25%			2019	\$4,900	10	\$1,700	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	25%			2031	**	10	\$1,700	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd And 3rd Floor Bathrooms, 3rd Floor Dormitory And Laundry Room</i>								
Fluorescent	30%			2019	\$5,900	10	\$2,000	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	15%	Now	\$2,900	2033	**			
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Garage, 2nd And 3rd Floor</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Garage, 2nd And 3rd Floor</i>								
<i>Explanation : Not Working And No Cover</i>								
Incandescent	5%			2023	\$2,300	2		
Egress Lighting								
Emergency, Service	50%			2031	**	1		
No Component	50%							
Exterior Lighting								
HID	100%	Now	\$400	2033	**			
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Facade</i>								
<i>Explanation : Floodlights, Controlled Via Photocell</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Steam Boiler	100%			2036	**	1	\$7,200	
Distribution								
Central Plant Steam	100%			2033	**	4	\$400	
Piping/Pmp								
Terminal Devices								
Convactor/Radiator	100%			2021	\$36,100	1	\$2,300	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 26
Asset # : 13019

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Exterior Pkg Unit - Cooling	40%			2028	\$21,900	2	\$200
	Window/Wall Unit	50%			2019	\$7,000	1	
	No Component	10%						
Distribution								
	Ductwork/Diffusers	20%			LIFE	**	2	\$1,900
	No Component	80%						
Heat Rejection								
	Dry Cooler	20%			2028	\$6,600	2	\$1,000
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Roof</i>							
	<i>Explanation : R - 410 A / 2 Split Units Serve Areas On 2nd And 3rd Floor</i>							
	No Component	80%						
Ventilation								
Exhaust Fans								
	Roof	15%			2028	\$1,700	2	
	No Component	85%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2043	**	1	
Water Heater								
	Gas Fired	100%			2021	\$4,100	2	\$100
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 2 - 75 Gallon Units</i>							
Sanitary Piping								
	Cast Iron	25%	2-4	\$6,200	LIFE	**	1	
	<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Patches And Broken Hubs On Main Horizontal Drain</i>							
	Cast Iron	75%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Backflow Preventer								
	No Component	95%						
	Generic	5%			2028	\$100	1	
Fixtures								
	Generic	100%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 260
Address : 11-15 37th AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.260 / 13149 **Yr Built/Renovated** : 1939 /
Area Sq Ft : 6,488 **Project Type** : FIRE DEPARTMENT
Date of Survey : 27-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 352 **Lot** : 35 **BIN** : 4004305

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$98,900	\$160,900
Interior Architecture	\$130,000	
Electrical		\$7,700
Total	\$228,900	\$168,600
Importance Code A	\$98,900	\$160,900
Importance Code B	\$130,000	\$7,700
Total	\$228,900	\$168,600

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$31,000			
Interior Architecture	\$55,800	\$1,600	\$800	\$22,500
Electrical	\$15,100	\$100		\$3,200
Mechanical	\$1,100	\$1,200	\$900	\$17,300
Site Pavements	\$6,200			
Total	\$109,100	\$3,000	\$1,700	\$43,100
Importance Code A	\$31,600	\$600	\$600	\$700
Importance Code B	\$60,100	\$2,300	\$500	\$42,400
Importance Code C	\$17,400		\$600	
Total	\$109,100	\$3,000	\$1,700	\$43,100



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 260
Asset # : 13149

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$98,900	LIFE	**	5	\$16,400	
<i>Paint Peeling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Rear And Side Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Rear And Side Facade</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Rear And Side Facade</i>								
Masonry: Granite	10%			LIFE	**	5	\$1,600	
Wood Overhead Doors	15%	Now	\$20,700	2025	\$103,700	5	\$8,200	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Split/Cracked, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%	Now	\$3,500	2043	**	5	\$800	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$500	
Masonry: Brick	75%	Now	\$5,600	LIFE	**	5	\$1,000	
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Office And Locker Room On 2nd Floor</i>								
Masonry: Granite	20%			LIFE	**	5	\$300	
Roof								
Modified Bitumen	100%	2-4	\$1,100	2027	\$57,100			
<i>Ponding, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : At Hatch Area</i>								
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$26,300	LIFE	**	5	\$11,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Structurally Insufficient. Temporarily Supported On Lally Columns</i>								
Ceramic Tile	5%			2036	**	5	\$500	
Quarry Tile	5%			2040	**	5	\$800	
Vinyl Tile	20%			2032	**	3	\$800	
Vinyl Tile 9" X 9"	20%			2022	\$22,300	3	\$1,000	

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 260
Asset # : 13149

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Interior									
Interior Walls									
Cast in Place Concrete	10%			LIFE	**				
Ceramic Tile	8%			2036	**	5	\$1,100		
Masonry: Brick	22%			LIFE	**				
Plaster	60%	Now	\$13,400	LIFE	**	5	\$2,500		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : 2nd Floor Locker Room And Bunkroom</i>									
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>									
<i>Location : Locker Room And East Side Of Officer Bunkroom</i>									
Ceilings									
AcousTileSusp.Lay-In	20%			2040	**	5	\$2,000		
Exposed Concrete	40%	Now	\$130,000	LIFE	**	5	\$600		
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 20%</i>									
<i>Location : Cellar</i>									
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Cellar</i>									
<i>Other Observation, Extent : Light, Area Affected : 80%</i>									
<i>Location : Cellar</i>									
<i>Explanation : Temporary Posts Supporting Apparatus Floor Above</i>									
Plaster	40%	Now	\$15,900	LIFE	**	5	\$2,500		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Locker Room</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : 1st Floor Bunker Gear, Side Entry Door, 2nd Floor Locker Room, Office And Bathroom</i>									
Site Enclosure									
Fence/Gates									
Chain link	100%			2037	**				
Site Pavements									
Public Sidewalk									
Cast in Place Concrete	100%	4+	\$2,100	2032	**				
<i>Cracking/Crumbling, Extent : Light, Area Affected : 15%</i>									
<i>Location : At Apron By Overhead Door Entrance</i>									
On-Site Walkways									
Cast in Place Concrete	100%			2032	**				
Parking/Driveway									
Cast in Place Concrete	100%	Now	\$4,000	2040	**				
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Side Yard By Cellar Access Hatches</i>									
Electrical		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Under 600 Volts									

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 260
Asset # : 13149

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2037	**	5		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Service Size: 200 Amp</i>							
Raceway								
Conduit	80%			2027	\$25,000	1		
Conduit	20%			2037	**	1		
Panelboards								
Molded Case Bkrs	80%			2035	**	5	\$100	
Molded Case Bkrs	20%			2026	\$7,700	5		
Wiring								
Thermoplastic	100%			2037	**	1		
Motor Controllers								
Locally Mounted	100%			2025	\$14,400	5		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : 1st Floor</i>							
	<i>Explanation : Motor Controller For One Overhead Door</i>							
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	80%	0-2	\$14,100	2037	**			
	<i>Inadequate Lighting Level, Extent : Moderate, Area Affected : 30%</i>							
	<i>Location : Basement, Part Of First Floor And Second Floor</i>							
	<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
	<i>Explanation : Many Fixtures Without Bulbs</i>							
Fluorescent	19%			2032	**	10	\$1,100	
	<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : First Floor</i>							
LED	1%			2032	**			
Exterior Lighting								
HID	90%			2027	\$22,000	10		
Incandescent	10%			2022	\$2,100	2		
Alarm								
Fire/Smoke Detection								
No Component	95%							
Generic, Analog	5%	Now	\$1,000	2037	**	1-3	\$200	
	<i>Devices Missing, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : First And Second Floor</i>							
	<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>							
	<i>Location : 1st And 2nd Floors</i>							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 260
Asset # : 13149

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
Conversion Equipment								
Steam Boiler	100%			2040	**	1	\$6,400	
Distribution								
Central Plant Steam Piping/Pmp	100%			2047	**	4	\$500	
Terminal Devices								
Convactor/Radiator	100%			2032	**	1	\$2,100	
Air Conditioning								
Energy Source								
Electricity	100%			2049	**	1		
Conversion Equipment								
Window/Wall Unit	100%			2022	\$12,600	1		
Ventilation								
Exhaust Fans								
Roof	50%			2032	**	2	\$100	
Wall Unit	50%			2032	**	2	\$100	
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2032	**	1		
Water Heater								
Gas Fired	100%			2022	\$3,700	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : One 75 Gallon Heater</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2020	\$200	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	10%			2025	\$200	1-3	\$500	
No Component	90%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 261/LADDER CO. 116
Address : 37-20 29th STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.261 / 13150 **Yr Built/Renovated** : 1932 /
Area Sq Ft : 6,090 **Project Type** : FIRE DEPARTMENT
Date of Survey : 27-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 370 **Lot** : 23 **BIN** : 4004505

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$56,400
Electrical		\$48,800
Total		\$105,200
Importance Code A		\$56,400
Importance Code B		\$48,800
Total		\$105,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$24,800			
Interior Architecture	\$1,600	\$600	\$700	
Electrical			\$100	\$14,200
Mechanical	\$900	\$900	\$1,700	\$900
Site Pavements	\$2,600			
Total	\$29,900	\$1,500	\$2,500	\$15,100
Importance Code A	\$25,400	\$600	\$600	\$600
Importance Code B	\$1,900	\$900	\$1,500	\$14,500
Importance Code C	\$2,600		\$300	
Total	\$29,900	\$1,500	\$2,500	\$15,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 261/LADDER CO. 116
Asset # : 13150

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%			LIFE	**	5	\$14,900	
Masonry: Granite	5%			LIFE	**	5	\$800	
Masonry: Limestone	10%			LIFE	**	5	\$1,600	
Wood Overhead Doors	15%	Now	\$20,100	2047	**	5	\$8,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Loose/Miss Fasteners, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Not Insulated, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%	4+	\$1,800	2043	**	5	\$1,000	
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 2%</i>								
<i>Location : 2nd Floor Corridor</i>								
Parapets								
Masonry: Brick	90%	4+	\$2,000	LIFE	**	5	\$1,700	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout Main Roof</i>								
Masonry: Limestone	10%	0-2	\$1,000	LIFE	**	5	\$200	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Roof								
Modified Bitumen	100%			2027		10	\$9,700	
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	**	5	\$12,800	
Ceramic Tile	7%			2036	**	5	\$700	
Vinyl Tile	33%			2032	**	3	\$1,200	
Interior Walls								
Ceramic Tile	5%			2036	**	5	\$700	
Plaster	70%			LIFE	**	5	\$2,800	
SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	5%			2040	**	5	\$500	
Exposed Concrete	33%			LIFE	**	5	\$500	
Plaster	62%	Now	\$1,600	LIFE	**	5	\$3,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Area By Overhead Door</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 10%</i>								
<i>Location : Apparatus Area Over Bathroom</i>								
Site Enclosure								
Fence/Gates								
Chain link	100%			2037	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2032	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 261/LADDER CO. 116
Asset # : 13150

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%			2032	**			
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Parking/Driveway

Cast in Place Concrete	100%	2-4	\$2,600	2032	**			
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*Broken/Missing Elements, Extent : Light, Area Affected : 15%**Location : Rear Of Driveway*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2027	\$4,800	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 200 Amperes Main Disconnect Switch*

Switchgear / Switchboard

Fused Disc Sw	100%			2027	\$48,800	5		
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Raceway

Conduit	80%			2027	\$25,000	1		
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Conduit	20%			2047	**	1		
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Panelboards

Fused Disc Sw	10%			2026	\$3,800	5		
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Molded Case Bkrs	70%			2026	\$26,900	5	\$100	
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Molded Case Bkrs	20%			2043	**	5		
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Wiring

Thermoplastic	20%			2047	**	1		
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Thermoplastic	80%			2027	\$22,200	1		
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Motor Controllers

Locally Mounted	100%			2025	\$14,400	5		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Lighting

Interior Lighting

Fluorescent	60%			2022	\$9,900	10	\$3,400	
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Throughout**Explanation : T-12 Lamps*

Fluorescent	15%			2027	\$2,500	10	\$800	
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Basement**Explanation : T-8 Lamps*

Incandescent	5%			2027	\$1,900	2		
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LED	20%			2032	**			
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 261/LADDER CO. 116
Asset # : 13150

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Egress Lighting								
Emergency, Battery	50%			2032	**	10	\$700	
Exit, Battery	50%			2032	**	10	\$200	
Exterior Lighting								
HID	100%			2032	**	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Steam Boiler	100%			2040	**	1	\$6,000	
Distribution								
Central Plant Steam Piping/Pmp	100%			2037	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2032	**	1	\$2,000	

Air Conditioning

Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Window/Wall Unit	100%			2025		1	\$11,900	

Ventilation

Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$3,400	
<i>Abandoned in Place, Extent : Light, Area Affected : 20%</i>								
<i>Location : 1st Floor Gen Exhaust</i>								
Exhaust Fans								
Roof	80%			2032	**	2	\$200	
Wall Unit	20%			2027		2	\$400	

Plumbing

H/C Water Piping								
Galvanized Steel	100%			2040	**	1		
Water Heater								
Gas Fired	100%			2025		2	\$3,500	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 75 Gallon</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2021		4	\$200	\$100

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 261/LADDER CO. 116
Asset # : 13150

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component	% of	Fail Date	Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost	Priority
	Type	Total	(Years)		FY		(Yrs)		
Plumbing									
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Wet	10%			2025	\$200	1-3	\$500	
	No Component	90%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 262
Address : 30-89 21st STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.262 / 13151 **Yr Built/Renovated** : 1972 /
Area Sq Ft : 9,300 **Project Type** : FIRE DEPARTMENT
Date of Survey : 27-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 551 **Lot** : 16 **BIN** : 4006338

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$36,600	
Interior Architecture	\$39,300	\$38,300
Electrical		\$38,500
Total	\$76,000	\$76,800
Importance Code A	\$36,600	
Importance Code B	\$39,300	\$76,800
Total	\$76,000	\$76,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$22,600	\$2,900		\$3,500
Interior Architecture	\$24,500	\$500	\$2,300	
Electrical	\$3,500		\$100	\$100
Mechanical	\$36,700	\$1,200	\$2,300	\$6,200
Site Pavements	\$2,800			
Total	\$90,100	\$4,700	\$4,700	\$9,800
Importance Code A	\$23,000	\$3,400	\$500	\$4,100
Importance Code B	\$59,700	\$1,300	\$3,300	\$5,700
Importance Code C	\$7,400		\$1,000	
Total	\$90,100	\$4,700	\$4,700	\$9,800



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 262
Asset # : 13151

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	65%	Now	\$36,600	LIFE	**	5	\$12,200	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Masonry Relieving Angle At 2nd Floor Level</i>								
Metal Panel	10%			2037	**	5-10	\$12,900	
Metal Sect. OHD	10%			2040	**	5	\$5,800	
Pre-Cast Concrete	15%			LIFE	**	5	\$9,100	
Windows								
Aluminum	100%	Now	\$19,500	2052	**	5	\$200	
<i>Air Infiltration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : First Floor, Basement</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Thermally Inefficient</i>								
Parapets								
Masonry: Brick	45%			LIFE	**	5	\$800	
<i>Recent Repair Evident, Extent : Light, Area Affected : 40%</i>								
<i>Location : Main Roof</i>								
Pre-Cast Concrete	55%			LIFE	**	5	\$6,300	
Roof								
Built-Up (BUR)	98%	Now	\$3,000	2032	**			
<i>Drains Clogged, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Main Roof</i>								
<i>Grvl/Blst Miss/Disp, Extent : Light, Area Affected : 5%</i>								
<i>Location : Main Roof</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Lower Roof</i>								
Skylight, Plastic	2%			2032	**	1		
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$14,500	LIFE	**	5	\$15,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Cellar</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Cellar</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Occasional Flooding Through Floor Slab From Hydrostatic Pressure</i>								
Ceramic Tile	10%			2036	**	5	\$1,400	
Quarry Tile	5%			2040	**	5	\$1,000	
Vinyl Tile	10%			2027		3	\$500	
Vinyl Tile 9" X 9"	25%			2027	\$38,300	3	\$1,300	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 262
Asset # : 13151

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Interior

Interior Walls

Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	10%			2036	**	5	\$1,900	
Concrete Masonry Unit	10%			LIFE	**	5	\$800	
Plaster	30%	0-2	\$4,600	LIFE	**	5	\$1,700	

Paint Peeling, Extent : Moderate, Area Affected : 10%

Location : Throughout

Water Penetration, Extent : Severe, Area Affected : 5%

Location : 2nd Floor Dormitory At Window

SGFT/Glazed Masonry	40%			LIFE	**			
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Ceilings

AcousTileConcealSpLn	35%	Now	\$39,300	2047	**	5	\$3,000	
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Broken/Missing Elements, Extent : Severe, Area Affected : 20%

Location : 2nd Floor Gymnasium, Locker Room And Dormitory

Worn/Eroded, Extent : Severe, Area Affected : 80%

Location : 2nd Floor Throughout

Exposed Concrete	50%			LIFE	**	5	\$1,100	
Plaster	15%	0-2	\$5,500	LIFE	**	5	\$1,300	

Paint Peeling, Extent : Severe, Area Affected : 20%

Location : Second Floor Bathroom

Staining/Discoloring, Extent : Moderate, Area Affected : 100%

Location : Second Floor Bathroom

Site Enclosure

Free Standing Walls

Under Construction	100%							
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Other Observation, Extent : Light, Area Affected : 0%

Location : Side Yard

Explanation : Temporary Plywood Wall Installed By Adjacent Property Owner

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2032	**			
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Parking/Driveway

Cast in Place Concrete	100%	Now	\$2,800	2032	**			
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Broken/Missing Elements, Extent : Moderate, Area Affected : 15%

Location : Side Yard

Electrical		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2027	\$4,800	5	\$200	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : 456 Amperes

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 262
Asset # : 13151

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Transformers								
Not Accessible	100%							
Raceway								
Conduit	100%			2027	\$31,300	1		
Panelboards								
Molded Case Bkrs	100%			2026	\$38,500	5	\$200	
Wiring								
Thermoplastic	100%			2027	\$27,700	1		
Motor Controllers								
Locally Mounted	100%			2025	\$14,400	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	100%			2027	\$25,200	10	\$8,500	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Mostly T-8</i>					
Exterior Lighting								
HID	25%	0-2	\$3,500	2037	**			
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : First Floor</i>					
			<i>Explanation : Time Clock For Outdoor Lights Not Working</i>					
HID	25%			2027	\$8,800	10		
No Component	50%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2032	**	1	\$4,600	
Distribution								
Hot Wtr Piping/Pump	100%			2035	**	4	\$700	
Terminal Devices								
Convactor/Radiator	95%			2032	**	1	\$2,900	
Unit Heater - Steam	5%			2027	\$1,600	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 262
Asset # : 13151

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Exterior Pkg Unit - Cooling	25%	Now	\$17,600	2037	**	2	\$100	
<i>Broken, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
Window/Wall Unit	75%	0-2	\$8,200	2025	\$13,600	1		
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floor</i>								
Distribution								
Ductwork/Diffusers	25%			LIFE	**	2	\$3,000	
No Component	75%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,200	
Exhaust Fans								
Interior	5%	Now	\$1,500	2037	**	2		
<i>Abandoned in Place, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
Roof	50%			2027	\$7,200	2	\$100	
Roof	45%	Now	\$6,500	2037	**	2	\$100	
<i>Broken, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Roof</i>								
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2040	**	1		
Water Heater								
Gas Fired	100%			2022	\$5,300	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 -75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	90%			LIFE	**	1		
Cast Iron	10%	Now	\$1,800	LIFE	**	1		
<i>Blockage /Clogged, Extent : Light, Area Affected : 30%</i>								
<i>Location : Outdoor Pit Drain Near Basement Mechanical Room</i>								
Sump Pump(s)								
Submersible	100%			2020	\$300	4	\$300	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units In Adjacent Room Undersized</i>								
Fixtures								
Generic	100%							
Fire Suppression								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 262
Asset # : 13151

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Fire Suppression								
Chemical System								
	Wet	10%		2025	\$200	1-3	\$500	
	No Component	90%						

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 263/LADDER CO. 117
Address : 42-06 ASTORIA BOULEVARD
Borough : QUEENS Agency's Number : N/A
Program / Asset # : FIRSECO.263 / 13152 Yr Built/Renovated : 1906 /
Area Sq Ft : 4,408 Project Type : FIRE DEPARTMENT
Date of Survey : 27-Apr-2016 Landmark Status : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 688 Lot : 17 BIN : 4011565

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$164,300	
Interior Architecture	\$153,300	
Electrical		\$38,500
Mechanical		\$35,200
Total	\$317,600	\$73,700
Importance Code A	\$164,300	
Importance Code B	\$153,300	\$73,700
Total	\$317,600	\$73,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$31,900	\$8,400		\$14,000
Interior Architecture	\$73,600	\$1,500	\$1,000	\$500
Electrical	\$1,300	\$2,000	\$400	\$32,200
Mechanical	\$26,100	\$600	\$800	\$8,600
Total	\$132,900	\$12,500	\$2,200	\$55,400
Importance Code A	\$32,300	\$8,800	\$400	\$14,500
Importance Code B	\$64,400	\$3,700	\$1,700	\$40,900
Importance Code C	\$36,100			
Total	\$132,900	\$12,500	\$2,200	\$55,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 263/LADDER CO. 117
Asset # : 13152

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$164,300	LIFE	**	5	\$27,300	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	3%			LIFE	**	5	\$900	
Masonry: Limestone	15%	Now	\$31,900	LIFE	**	5	\$4,400	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : North Facade</i>								
Metal Sect. OHD	12%			2040	**	5	\$14,600	
Windows								
Aluminum	100%			2035	**	5	\$2,100	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$2,600	
Masonry: Brick	90%			LIFE	**	5	\$3,000	
Roof								
Modified Bitumen	95%			2032	**	10	\$14,000	
Skylight, Metal/Glass	5%			2047	**	10	\$2,500	
<i>Corrosion/Rusting, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$49,700	LIFE	**	5	\$17,500	
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Apparatus Floor On Ladder Side</i>								
<i>Explanation : Structurally Inadequate</i>								
Ceramic Tile	10%			2036	**	5	\$2,000	
Quarry Tile	10%			2040	**	5	\$3,000	
Vinyl Tile	20%	2-4	\$13,600	2032	**	3	\$1,500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
Wood	20%	0-2	\$39,400	2042	**	5	\$3,700	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 3rd Floor Gymnasium</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 263/LADDER CO. 117
Asset # : 13152

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	10%	Now	\$3,800	2030	**	5	\$1,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Third Floor Bathroom</i>								
Masonry: Brick	20%	0-2	\$21,400	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Cellar</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Cellar</i>								
Plaster	50%	Now	\$11,000	LIFE	**	5	\$4,100	
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Bunk Room East Wall At Window</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 80%</i>								
<i>Location : 3rd Floor Around Roof Scuttle</i>								
SGFT/Glazed Masonry	20%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	20%	0-2	\$6,400	2040	**	5	\$2,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd Floor At Lockers And Bathroom, Kitchen</i>								
Embossed Metal	20%	4+	\$7,000	LIFE	**	5	\$1,800	
<i>Bent/Warped Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Apparatus Room Throughout</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Room</i>								
Exposed Concrete	20%	0-2	\$64,100	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement Throughout</i>								
Plaster	40%	Now	\$10,500	LIFE	**	5	\$5,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 3rd Floor Roof Scuttle Throughout</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Roof Scuttle</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2040	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2027	\$4,800	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 200 Amperes</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 263/LADDER CO. 117
Asset # : 13152

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Raceway								
Conduit	100%			2027	\$31,300	1		
Panelboards								
Molded Case Bkrs	100%			2026	\$38,500	5	\$100	
Wiring								
Braided Cloth	20%			2026	\$5,500	1		
Thermoplastic	80%			2037	**	1		
Motor Controllers								
Locally Mounted	100%			2025	\$14,400	5		
Ground								
Grounding Devices								
Generic	100%	Now	\$1,000	LIFE	**	5	\$100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Main Ground Clamp Is Severely Corroded.</i>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2032	**	1	\$1,400	
Generators								
Diesel	100%			2030	**	1	\$1,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 60 Kw</i>								
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$200	
Fuel Storage								
Day Tank	20%			2035	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 120 Gallons</i>								
Main Tank	80%			2042	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	95%			2022	\$11,300	10	\$3,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-8 And T-12, 50/50</i>								
Incandescent	5%			2027	\$1,400	2		
Exterior Lighting								
HID	100%			2022	\$16,600	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Heating

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 263/LADDER CO. 117
Asset # : 13152

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Steam Boiler	100%			2040	**	1	\$4,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2037	**	4	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : There Is Only One Thermostat In The Building</i>								
Terminal Devices								
Convactor/Radiator	100%			2032	**	1	\$1,400	
Air Conditioning								
Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Split Unit	40%	Now	\$14,100	2027	\$35,200			
<i>Malfunctioning, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Kitchen And Engine Side 1st Floor Back Room</i>								
Window/Wall Unit	60%	Now	\$2,600	2022	\$5,200	1		
<i>Malfunctioning, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : 2nd And 3rd Floors</i>								
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$500	
No Component	80%							
Exhaust Fans								
Roof	20%			2027	\$1,400	2		
Wall Unit	20%			2022	\$300	2		
No Component	60%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2027	\$30,700	1		
Water Heater								
Gas Fired	100%			2022	\$2,500	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units 74 Gallon</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 263/LADDER CO. 117
Asset # : 13152

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing	Sanitary Piping Cast Iron	100%	Now	\$6,000	LIFE	**	1	
				<i>Blockage /Clogged, Extent : Light, Area Affected : 20%</i>				
				<i>Location : Kitchen And Toilets</i>				
				<i>Corroded, Extent : Moderate, Area Affected : 30%</i>				
				<i>Location : Basement</i>				
				<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>				
				<i>Location : 3rd Floor Truck Side Rear</i>				
	Storm Drain Piping Cast Iron	100%	Now	\$2,600	LIFE	**	1	
				<i>Blockage /Clogged, Extent : Severe, Area Affected : 5%</i>				
				<i>Location : Water Backs Up In Basement</i>				
				<i>Corroded, Extent : Moderate, Area Affected : 50%</i>				
				<i>Location : Basement</i>				
	Sump Pump(s) Submersible	100%			2019	\$100	4	\$100
	Fixtures Generic	100%						
Fire Suppression	Chemical System Wet	10%			2025	\$200	1-3	\$500
	No Component	90%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 265/LADDER CO. 121 / EMS STATION 47
Address : 303 BEACH 49 STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.265 / 13154 **Yr Built/Renovated** : 2004 /
Area Sq Ft : 18,010 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Nov-2016 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 15926 **Lot** : 44 **BIN** : 4302052

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Interior Architecture	\$41,300	\$41,300
Total	\$41,300	\$41,300
Importance Code B	\$41,300	\$41,300
Total	\$41,300	\$41,300

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$64,400		\$26,300	
Interior Architecture	\$49,900		\$5,700	\$1,300
Electrical	\$2,100	\$1,300	\$1,600	\$2,800
Mechanical	\$7,000	\$1,700	\$3,100	\$1,500
Site Enclosure	\$4,000			
Total	\$127,300	\$3,000	\$36,700	\$5,600
Importance Code A	\$65,300	\$900	\$27,200	\$900
Importance Code B	\$46,500	\$2,100	\$9,500	\$4,000
Importance Code C	\$15,600			\$600
Total	\$127,300	\$3,000	\$36,700	\$5,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 265/LADDER CO. 121 / EMS STATION 47
Asset # : 13154

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Concrete Masonry Unit	25%			LIFE	**	5	\$13,800	
Exposed Struc: Steel	5%			LIFE	**	5	\$13,800	
Masonry: Brick	55%			LIFE	**	5	\$48,500	
Metal Sect. OHD	10%			2041	**	5	\$13,800	
Window Wall	5%			2048	**	5	\$8,300	
Windows								
Aluminum	95%			2044	**	5	\$2,900	
Metal Louvers	5%			2037	**	10	\$1,000	
Parapets								
Concrete Masonry Unit	25%			LIFE	**	5-10	\$6,000	
Masonry: Brick	60%			LIFE	**	5-10	\$18,100	
Metal Panel	5%			2048	**	5	\$900	
Metal Rail	10%			2041	**	5-10	\$8,000	
Roof								
Metal Panel	25%			2041	**	10	\$14,600	
Modified Bitumen	50%	Now	\$4,600	2033	**			
<i>Water Penetration, Extent : Light, Area Affected : 15%</i>								
<i>Location : Over The Second Floor</i>								
Modified Bitumen	25%			2033	**	10	\$7,900	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Over The Second Floor</i>								
<i>Explanation : Concrete Pavers</i>								
Interior								
Floors								
Cast in Place Concrete	70%			LIFE	**	5	\$82,600	
Ceramic Tile	5%			2037	**	5	\$1,300	
Quarry Tile	5%			2041	**	5	\$2,000	
Vinyl Tile	20%			2033	**	3	\$2,000	
Interior Walls								
Ceramic Tile	5%			2037	**	5	\$1,200	
Concrete Masonry Unit	40%			LIFE	**	5	\$8,000	
Gypsum Board	45%	Now	\$2,300	LIFE	**	5	\$6,700	
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
Masonry: Brick	5%			LIFE	**	10	\$400	
Wood	5%			LIFE	**	5	\$9,900	
Ceilings								
AcousTileSusp.Lay-In	30%			2041	**	5	\$8,100	
Exposed Struc: Steel	60%			LIFE	**	10	\$32,300	
Gypsum Board	10%			LIFE	**	5-10	\$9,300	
Site Enclosure								
Fence/Gates								
Chain link	50%			2048	**			
Iron Picket	50%	Now	\$2,300	2063	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 265/LADDER CO. 121 / EMS STATION 47
Asset # : 13154

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Enclosure

Free Standing Walls

Concrete Masonry Unit	100%	Now	\$1,700	2048	**			
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*Cracking/Crumbling, Extent : Light, Area Affected : 10%**Location : Throughout**Other Observation, Extent : Light, Area Affected : 5%**Location : Masonry Free Standing Wall**Explanation : Decorative Steel Detailing Above Needs Re - Anchoring*

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2048	**			
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Parking/Driveway

Asphalt	80%			2043	**			
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Cast in Place Concrete	20%			2048	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2048	**	5	\$100	
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Electrical Room 1st Floor**Explanation : Two 400 Amperes For Building And Mechanical Equipment; One 200**Amperes For Emergency*

Switchgear / Switchboard

Fused Disc Sw	100%			2048	**	5	\$100	
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Raceway

Conduit	100%			2048	**	1		
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Panelboards

Fused Disc Sw	10%			2044	**	5		
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Molded Case Bkrs	90%			2044	**	5	\$400	
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Wiring

Thermoplastic	100%			2048	**	1		
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Motor Controllers

Locally Mounted	100%			2041	**	5	\$100	
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$500	
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Stand-by Power

Transfer Switches

Automatic	100%			2041	**	1	\$5,500	
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Electrical Room**Explanation : Three Ats*

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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FIRE DEPARTMENT - 057
ENGINE CO. 265/LADDER CO. 121 / EMS STATION 47
Asset # : 13154

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Generators								
Diesel	100%			2037	**	1	\$7,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : One 80 Kva</i>								
Batteries								
Lead/Acid	100%			2022	\$1,500	5	\$700	
Fuel Storage								
Main Tank	100%			2056	**	5	\$500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : One 60 Gallons</i>								
Lighting								
Interior Lighting								
Fluorescent	100%			2033	**	10	\$16,500	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Egress Lighting								
Emergency, Service	60%			2033	**	1		
Exit, LED	40%			2056	**	1		
Exterior Lighting								
HID	100%			2033	**	10	\$100	
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2048	**	1		
Conversion Equipment								
Furnace	40%			2033	**	1	\$3,600	
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : Roof</i>								
<i>Explanation : 6 Roof Top Package Units</i>								
Hot Water Boiler	60%			2041	**	1	\$5,300	
<i>Other Observation, Extent : Light, Area Affected : 60%</i>								
<i>Location : 1st Floor Boiler Room</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Hot Wtr Piping/Pump	60%	0-2	\$800	2044	**	4	\$500	
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Mechanical Room</i>								
No Component	40%							

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FIRE DEPARTMENT - 057
ENGINE CO. 265/LADDER CO. 121 / EMS STATION 47

Asset # : 13154

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Air Handler	20%			2033	**	1	\$2,200	
Convactor/Radiator	10%			2041	**	1	\$600	
Unit Heater - Steam	30%			2028	\$18,100	4	\$700	
No Component	40%							
Air Conditioning								
Energy Source								
Electricity	100%			2044	**	1		
Conversion Equipment								
Reciprocating Compr/Chiller	20%			2033	**	1	\$1,700	
		<i>R-22 Refrigerant, Extent : Light, Area Affected : 20%</i>						
		<i>Location : 2nd Floor Mechanical Room</i>						
Ext Pkg Unit - Heating/Cooling	50%			2033	**	2	\$600	
		<i>R-22 Refrigerant, Extent : Light, Area Affected : 50%</i>						
		<i>Location : 6 Roof Top Package Units</i>						
No Component	30%							
Terminal Devices								
Air Handler/Dir Expansion	20%			2033	**	1		
No Component	80%							
Heat Rejection								
Air Cooled Condenser Unit	20%			2033	**	2	\$2,500	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	70%			LIFE	**	2-5	\$11,100	
No Component	30%							
Exhaust Fans								
Interior	20%			2033	**	2	\$100	
Roof	50%			2033	**	2	\$300	
No Component	30%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2048	**	1		
Water Heater								
Gas Fired	100%			2026	\$10,300	2	\$300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Boiler Room</i>						
		<i>Explanation : 2 - 100 Gallon Units</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 265/LADDER CO. 121 / EMS STATION 47
Asset # : 13154

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Plumbing								
	Backflow Preventer							
	Generic	100%			2033	**	1	\$1,100
Fixtures								
	Generic	100%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 266
 Address : 92-20 ROCKAWAY BEACH BOULEVARD
 Borough : QUEENS Agency's Number : N/A
 Program / Asset # : FIRSECO.266 / 13155 Yr Built/Renovated : 1922 / 2009
 Area Sq Ft : 11,960 Project Type : FIRE DEPARTMENT
 Date of Survey : 22-Jun-2015 Landmark Status : NONE
 Areas Surveyed : Basement, Roof, Floors 1,2,3
 Block : 16127 Lot : 1 BIN : 4439014

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$80,300	\$73,400
Electrical		\$37,900
Mechanical		\$59,900
Total	\$80,300	\$171,200
Importance Code A	\$80,300	\$73,400
Importance Code B		\$97,800
Total	\$80,300	\$171,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$31,800			
Interior Architecture	\$73,500			\$900
Electrical	\$35,700	\$2,700	\$11,900	\$2,100
Mechanical	\$30,600	\$1,900	\$1,700	\$1,600
Site Enclosure	\$2,300			
Site Pavements	\$5,000			
Total	\$179,100	\$4,600	\$13,600	\$4,600
Importance Code A	\$33,000	\$1,200	\$1,200	\$1,200
Importance Code B	\$90,500	\$3,400	\$12,400	\$3,500
Importance Code C	\$55,600			
Total	\$179,100	\$4,600	\$13,600	\$4,600



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FIRE DEPARTMENT - 057
ENGINE CO. 266
Asset # : 13155

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	20%			LIFE	**	5	\$5,600	
Masonry: Granite	5%			LIFE	**	5	\$1,000	
Masonry: Limestone	5%			LIFE	**	5	\$1,000	
<i>Staining/Discoloring, Extent : Light, Area Affected : 2%</i>								
<i>Location : Underside Of Cornice; Front Facade.</i>								
Stucco Cement	50%	Now	\$80,300	2039	**	5	\$17,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Side And Rear Walls</i>								
Stucco Cement	10%			2039	**	5	\$6,900	
Wood Overhead Doors	10%	0-2	\$8,800	2031	**	5	\$6,900	
<i>Dry Rot/Decay, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Lower Part Of Door And Frame</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 25%</i>								
<i>Location : Front Of Building</i>								
Windows								
Aluminum	100%	Now	\$2,600	2048	**	5	\$1,500	
<i>Glazing Broken/Cracked, Extent : Light, Area Affected : 2%</i>								
<i>Location : Bathroom, Third Floor.</i>								
<i>Unit Inoperable, Extent : Light, Area Affected : 2%</i>								
<i>Location : Rope Holding Closed Casement On The Third Floor In The Workout Room.</i>								
Parapets								
Masonry: Limestone	10%	Now	\$1,900	LIFE	**	5	\$500	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Coping.</i>								
Stucco Cement	90%			2039	**	5	\$8,300	
Roof								
Modified Bitumen	75%	Now	\$11,000	2026	\$55,100			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Flashing Misaligned Along Parapet On Roof Access Hatch Side.</i>								
<i>Ponding, Extent : Light, Area Affected : 5%</i>								
<i>Location : Third Floor Roof.</i>								
Modified Bitumen	25%			2026	\$18,400	10	\$3,200	
Interior								

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FIRE DEPARTMENT - 057
ENGINE CO. 266
Asset # : 13155

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior Floors								
Cast in Place Concrete	45%	Now	\$4,200	LIFE	**	5	\$17,600	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement.</i>								
Ceramic Tile	10%	Now	\$1,700	2029	**	5	\$900	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Quarry Tile	5%	2-4	\$1,300	2031	**	5	\$700	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	40%	Now	\$6,100	2031	**	3	\$2,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	10%	Now	\$13,600	2039	**	5	\$1,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Kitchen, Toilets</i>								
Masonry: Brick	5%	Now	\$9,600	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement, Throughout.</i>								
Plaster	55%	Now	\$10,800	LIFE	**	5	\$4,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
SGFT/Glazed Masonry	30%	Now	\$14,300	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Apparatus Floor.</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 15%</i>								
<i>Location : Apparatus Floor</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 266
Asset # : 13155

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	5%	Now	\$1,400	2039	**	5	\$400	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Kitchen</i>								
Metal Panel	5%			LIFE	**	5	\$1,100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Toilet</i>								
Plaster	90%	Now	\$10,600	LIFE	**	5	\$10,100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Second Floor Locker Room.</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Basement.</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Site Enclosure								
Fence/Gates								
Chain link	100%	Now	\$2,300	2046	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Gate</i>								
Site Pavements								
Parking/Driveway								
Asphalt	100%	Now	\$5,000	2035	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Rear Lot</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	80%			2046	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room 1st Floor</i>								
<i>Explanation : 225 Amperes</i>								
Photovoltaic Panel(s)	20%			2035	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Serves Hot Water Heater</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 266
Asset # : 13155

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Raceway								
	Conduit	60%			2046	**	1	
	Conduit	40%			2026	\$12,500	1	
<i>Covers Missing, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Panelboards								
	Molded Case Bkrs	60%			2042	**	5	\$200
	Molded Case Bkrs	40%			2025	\$15,400	5	\$100
Wiring								
	Thermoplastic	80%			2046	**	1	
	Thermoplastic	20%			2036	**	1	
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$200
Stand-by Power								
Transfer Switches								
	Automatic	100%			2039	**	1	\$3,700
Generators								
	Diesel	100%			2035	**	1	\$4,600
<i>Enclosure Corroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Exterior Exhaust Ductwork Disconnected</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : 80 Kva</i>								
Batteries								
	Lead/Acid	100%			2020	\$1,500	5	\$400
Fuel Storage								
	Day Tank	100%			2042	**	5	\$2,200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : 125 Gallons</i>								
Lighting								
Interior Lighting								
	Fluorescent	100%			2031	**	10	\$11,000
<i>Motion Sensors in Use, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Exterior Lighting								
	HID	50%			2026	\$22,500	10	
	HID	50%	Now	\$22,500	2036	**		
<i>Malfunctioning, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Exterior In Alleyway</i>								
Alarm								

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FIRE DEPARTMENT - 057
ENGINE CO. 266
Asset # : 13155

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Fire/Smoke Detection

No Component

90%

Generic, Analog

10% Now

\$12,400 2036

* *

1-3

\$700

*Devices Missing, Extent : Severe, Area Affected : 100%**Location : Throughout**Local/Battery Operated Detect, Extent : Light, Area Affected : 100%**Location : Throughout*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2046

* *

1

Conversion Equipment

Steam Boiler

100%

2031

* *

1

\$11,800

Distribution

Central Plant Steam

100%

2036

* *

4

\$900

Piping/Pmp

*Insul. Deteriorating, Extent : Light, Area Affected : 20%**Location : Basement*

Terminal Devices

Convactor/Radiator

100%

2024

\$59,900

1

\$3,900

*Corroded, Extent : Light, Area Affected : 60%**Location : All Floors*

Air Conditioning

Energy Source

Electricity

100%

2034

* *

1

Conversion Equipment

Split Unit

10%

2031

* *

Window/Wall Unit

50% 0-2

\$7,000

2025

\$11,700

1

*Broken, Extent : Moderate, Area Affected : 75%**Location : All Floors*

No Component

40%

Ventilation

Distribution

Ductwork/Diffusers

10% Now

\$3,100

LIFE

* *

2-5

\$700

*Other Observation, Extent : Moderate, Area Affected : 20%**Location : Generator Exhaust**Explanation : Duct Not Sealed, Openings In Duct.*

No Component

90%

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Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 266
Asset # : 13155

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation								
Exhaust Fans								
Interior	20%	Now	\$8,000	2036	**	2	\$100	
	<i>Broken, Extent : Light, Area Affected : 20%</i>							
	<i>Location : Toilet Rooms</i>							
Roof	10%			2026	\$1,900	2		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : 1st Floor</i>							
	<i>Explanation : Kitchen Exhaust</i>							
Wall Unit	30%			2026	\$1,200	2	\$100	
No Component	40%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		
	<i>Not Insulated, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Bathrooms</i>							
Water Heater								
Electric	50%			2024	\$4,900	4	\$100	
	<i>Other Observation, Extent : Light, Area Affected : 50%</i>							
	<i>Location : Roof</i>							
	<i>Explanation : Solar Heater</i>							
Gas Fired	50%			2024	\$3,400	2	\$100	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 2 - 75 Gallon Units</i>							
Sanitary Piping								
Cast Iron	100%	Now	\$8,200	LIFE	**	1		
	<i>Leak Evident, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : 2nd To 1st Floor</i>							
Storm Drain Piping								
Cast Iron	100%	Now	\$2,300	LIFE	**	1		
	<i>Blockage /Clogged, Extent : Light, Area Affected : 20%</i>							
	<i>Location : 1st Floor</i>							
Sump Pump(s)								
Submersible	100%			2019	\$400	4	\$400	
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 268/LADDER CO. 137
Address : 257 BEACH 116th STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.268 / 13156 **Yr Built/Renovated** : 1913 /
Area Sq Ft : 10,089 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Jun-2015 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Roof, Floors 1,2,3
Block : 16212 **Lot** : 17 **BIN** : 4304442

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$48,700
Interior Architecture		\$60,200
Electrical		\$91,200
Mechanical		\$49,700
Total		\$249,700
Importance Code A		\$48,700
Importance Code B		\$201,000
Total		\$249,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$44,400			
Interior Architecture	\$60,800	\$1,900		\$800
Electrical	\$22,800	\$200	\$10,700	\$200
Mechanical	\$7,700	\$1,600	\$1,300	\$1,400
Total	\$135,700	\$3,800	\$12,000	\$2,400
Importance Code A	\$45,400	\$1,000	\$1,000	\$1,000
Importance Code B	\$46,600	\$1,600	\$11,000	\$1,400
Importance Code C	\$43,700	\$1,100		
Total	\$135,700	\$3,800	\$12,000	\$2,400



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 268/LADDER CO. 137
Asset # : 13156

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	8%			LIFE	**	5	\$19,600	
<i>Repairs in Progress, Extent : Light, Area Affected : 90%</i>								
<i>Location : Front Facade</i>								
Masonry: Brick	75%			LIFE	**	5	\$23,500	
<i>Repairs in Progress, Extent : Light, Area Affected : 25%</i>								
<i>Location : Front Facade</i>								
<i>Sidewalk Shed in Use, Extent : Light, Area Affected : 25%</i>								
<i>Location : Front And Part Of Side</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Masonry: Granite	2%	0-2	\$8,100	LIFE	**	5	\$500	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Front Facade</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
Metal, Corrugated	5%			2036	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Bulkhead At Roof</i>								
Metal Sect. OHD	10%			2039	**	5	\$9,800	
Windows								
Aluminum	100%			2034	**	5	\$800	
Parapets								
Cast Stone/Terra Cotta	20%	Now	\$700	LIFE	**	5	\$2,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : North Side Of Roof</i>								
Masonry: Brick	80%			LIFE	**	5	\$1,000	
Roof								
Built-Up (BUR)	80%	Now	\$24,400	2026		\$48,700		
<i>Blisters, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Third Floor Roof.</i>								
<i>Debris on Roof, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Single Ply Membrane	15%	Now	\$4,000	2026		\$6,700		
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Second Floor Open Porch Floor.</i>								
<i>Explanation : Improperly Pitched.</i>								
Skylight, Metal/Glass	5%	Now	\$2,000	2036	**			1
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Hose Tower</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 268/LADDER CO. 137
Asset # : 13156

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	30%			LIFE	**	5	\$10,600	
Ceramic Tile	10%			2035	**	5	\$1,600	
Quarry Tile	5%	0-2	\$1,300	2039	**	5	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 25%</i>								
<i>Location : Kitchen</i>								
Terrazzo	5%			LIFE	**	5	\$600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : On Stair And Landings</i>								
<i>Explanation : Terrazzo</i>								
Vinyl Tile	40%	Now	\$3,000	2026	\$60,200	3	\$2,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 90%</i>								
<i>Location : Throughout</i>								
Wood	10%			2054	**	5	\$3,000	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Bunkroom</i>								
Interior Walls								
Ceramic Tile	10%			2035	**	5	\$2,200	
Plaster	55%	Now	\$10,700	LIFE	**	5	\$3,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
SGFT/Glazed Masonry	35%	Now	\$33,000	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Apparatus Room</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Apparatus Room</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 268/LADDER CO. 137
Asset # : 13156

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Interior

Ceilings

Acous Tile Susp. Lay-In	10%			2039	**	5	\$1,600	
Plaster	90%	Now	\$10,400	LIFE	**	5	\$9,100	

Cracking/Crumbling, Extent : Moderate, Area Affected : 10%

Location : Throughout

Paint Peeling, Extent : Moderate, Area Affected : 25%

Location : Throughout

Staining/Discoloring, Extent : Light, Area Affected : 10%

Location : Balcony

Water Penetration, Extent : Severe, Area Affected : 10%

Location : 3rd Floor Throughout

Other Observation, Extent : Light, Area Affected : 15%

Location : Balcony

Explanation : Exterior Space

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Photovoltaic Panel(s)	10%			2035	**	1		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Roof

Explanation : Serves Hot Water Heater

Not Accessible	90%							
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Switchgear / Switchboard

Molded Case Bkrs	100%			2026		5	\$300	
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Raceway

Conduit	100%			2026		1		
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Panelboards

Molded Case Bkrs	10%			2042	**	5		
Molded Case Bkrs	90%			2025		5	\$200	

Wiring

Thermoplastic	100%			2046	**	1		
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Motor Controllers

Locally Mounted	100%			2031	**	5	\$100	
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Ground

Grounding Devices

Not Accessible	100%							
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Lighting

Interior Lighting

Fluorescent	100%			2026		10	\$9,300	
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Motion Sensors in Use, Extent : Light, Area Affected : 100%

Location : Throughout

T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%

Location : Throughout

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FIRE DEPARTMENT - 057
ENGINE CO. 268/LADDER CO. 137
Asset # : 13156

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting

HID	25%			2021	\$10,400	10		
No Component	75%							

Alarm

Fire/Smoke Detection

No Component	80%							
Generic, Analog	20%	Now	\$22,800	2036	**	1-3	\$1,100	

*Devices Missing, Extent : Severe, Area Affected : 100%**Location : Throughout**Local/Battery Operated Detect, Extent : Light, Area Affected : 100%**Location : Throughout**Other Observation, Extent : Light, Area Affected : 100%**Location : Throughout**Explanation : Obsolete*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas	100%			2046	**	1		
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Conversion Equipment

Steam Boiler	100%			2031	**	1	\$10,000	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : All Floors**Explanation : Unit Requires Repair Often In Winter As Reported By Users*

Distribution

Central Plant Steam Piping/Pmp	100%			2036	**	4	\$700	
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Terminal Devices

Convactor/Radiator	90%			2024	\$49,700	1	\$2,900	
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*Corroded, Extent : Light, Area Affected : 100%**Location : All Floors*

Unit Heater - Steam	10%			2026	\$3,700	4	\$100	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : 1st Floor**Explanation : Serves Engine Bay***Air Conditioning**

Energy Source

Electricity	100%			2034	**	1		
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Conversion Equipment

Window/Wall Unit	50%	0-2	\$6,400	2025	\$10,700	1		
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*Broken, Extent : Light, Area Affected : 50%**Location : All Floors*

No Component	50%							
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Ventilation

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FIRE DEPARTMENT - 057
ENGINE CO. 268/LADDER CO. 137

Asset # : 13156

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
	Exhaust Fans							
	Roof	10%			2026	\$1,700	2	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st Floor</i>					
			<i>Explanation : Kitchen Exhaust</i>					
	Wall Unit	30%			2026	\$1,100	2	\$100
	No Component	60%						
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2036	**	1	
			<i>Not Insulated, Extent : Moderate, Area Affected : 80%</i>					
			<i>Location : All Floors</i>					
	Water Heater							
	Electric	50%			2024	\$4,500	4	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Roof</i>					
			<i>Explanation : Solar</i>					
	Gas Fired	50%			2024	\$3,100	2	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Mechanical Room</i>					
			<i>Explanation : 2 - 75 Gallon Units</i>					
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Main Drain</i>					
			<i>Explanation : Combination Drain, Backs Up During Heavy Rain</i>					
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Fixtures							
	Generic	100%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 271/LADDER CO. 124
Address : 392 HIMROD STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.271 / 13158 **Yr Built/Renovated** : 1908 / 2008
Area Sq Ft : 13,108 **Project Type** : FIRE DEPARTMENT
Date of Survey : 03-Jun-2015 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 3281 **Lot** : 22 **BIN** : 3074885

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$458,900	\$53,600
Interior Architecture	\$59,300	\$47,900
Electrical		\$123,800
Total	\$518,300	\$225,300
Importance Code A	\$458,900	\$53,600
Importance Code B	\$59,300	\$171,700
Total	\$518,300	\$225,300

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$77,000		\$7,800	
Interior Architecture	\$85,700		\$600	\$600
Electrical	\$4,600	\$100	\$200	
Mechanical	\$2,600	\$2,100	\$31,100	\$2,400
Total	\$169,900	\$2,200	\$39,700	\$3,100
Importance Code A	\$78,300	\$1,300	\$9,100	\$1,300
Importance Code B	\$51,700	\$900	\$30,600	\$1,800
Importance Code C	\$40,000			
Total	\$169,900	\$2,200	\$39,700	\$3,100



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 271/LADDER CO. 124
Asset # : 13158

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	62%	Now	\$379,700	LIFE	**	5	\$19,200	
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout.</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	5%	4+	\$10,000	LIFE	**	5	\$1,200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 20%</i>								
<i>Location : Front Facade At Grade Level</i>								
Masonry: Limestone	15%	0-2	\$11,100	LIFE	**	5	\$3,500	
<i>Staining/Discoloring, Extent : Light, Area Affected : 15%</i>								
<i>Location : Front Facade.</i>								
Metal Panel	3%	Now	\$7,300	2056	**	5	\$1,700	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Stair Bulkhead On Roof</i>								
<i>Deformed/Dented, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Stair Bulkhead On Roof</i>								
Stucco Cement	5%	Now	\$14,700	2031	**	5	\$1,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Front Facade At Roof/ Parapet Level</i>								
Wood Overhead Doors	10%			2031	**	5	\$15,500	
Windows								
Aluminum	100%	Now	\$19,500	2034	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Toilet Room Third Floor.</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	15%			LIFE	**	5	\$2,200	
Masonry: Brick	80%	Now	\$38,600	LIFE	**	5	\$1,500	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Facade/ West Parapet</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Front Facade/ West Parapet</i>								
<i>Spalling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Pre-Cast Concrete	5%	Now	\$3,700	LIFE	**	5	\$600	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 20%</i>								
<i>Location : Located At Front Facade.</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Located At Front Facade</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Located At Front Facade.</i>								

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 271/LADDER CO. 124
Asset # : 13158

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Built-Up (BUR)	85%	Now	\$10,700	2026	\$53,600			
<i>Blisters, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout.</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 3rd Floor Lounge And Workout Room.</i>								
Skylight, Metal/Glass	10%	0-2	\$40,700	2036	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Main Roof And Stair Bulkhead</i>								
Skylight, Metal/Glass	5%			2036	**	10	\$2,100	
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$4,400	LIFE	**	5	\$16,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Engine Side Basement.</i>								
Ceramic Tile	5%	Now	\$900	2029	**	5	\$400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Laundry Room And Bathroom</i>								
Quarry Tile	5%			2031	**	5	\$1,300	
Vinyl Tile	30%	Now	\$23,900	2026	\$47,900	3	\$1,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd And 3rd Floors</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd And 3rd Floors</i>								
Wood	15%			2029	**	5	\$4,800	
Interior Walls								
Ceramic Tile	5%			2029	**	5	\$1,200	
Gypsum Board	10%			LIFE	**	5	\$1,400	
Masonry: Brick	20%	Now	\$20,100	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement Foundation Wall</i>								
Plaster	30%	Now	\$3,100	LIFE	**	5	\$2,100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Bunk Room And Toilet Room On The Truck Side.</i>								
SGFT/Glazed Masonry	15%	Now	\$15,000	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
SGFT/Glazed Masonry	10%			LIFE	**			
Wood	10%	Now	\$1,100	LIFE	**	5	\$9,500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Staircase On The Engine/ Chief Side Was Missing Balusters.</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 271/LADDER CO. 124
Asset # : 13158

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	10%	Now	\$1,500	2031	**	5	\$900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 20%</i>								
<i>Location : 1st And 2nd Floors</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st And 2nd Floors</i>								
Embossed Metal	50%	Now	\$8,300	LIFE	**	5	\$3,900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 8%</i>								
<i>Location : Throughout 1st Floor</i>								
Exposed Struc: Steel	5%	Now	\$59,300	LIFE	**			
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Basement (2) Sides.</i>								
Plaster	35%	Now	\$4,300	LIFE	**	5	\$3,800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : 3rd Floor Workout Room.</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : 3rd Floor Workout Room And 2nd Floor Bunk Room.</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2026	\$5,300	5	\$100	
Switchgear / Switchboard								
Molded Case Bkrs	100%			2026	\$53,300	5	\$300	
Raceway								
Conduit	100%			2036	**	1		
Panelboards								
Molded Case Bkrs	80%			2025	\$33,600	5	\$300	
Molded Case Bkrs	20%			2042	**	5	\$100	
Wiring								
Thermoplastic	100%			2036	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 271/LADDER CO. 124
Asset # : 13158

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting								
Fluorescent	85%			2026	\$33,000	10	\$10,200	
			<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
Fluorescent	10%			2026	\$3,900	10	\$1,200	
			<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
Incandescent	5%	Now	\$4,600	2036	* *	2		
			<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Basement, Electrical Service Side</i>					
Exterior Lighting								
HID	75%			2031	* *	10		
No Component	25%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2046	* *	1		
Conversion Equipment								
Furnace	1%			2026	\$300	1	\$100	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Engine Bay</i>					
			<i>Explanation : Gas Fired Unit Heater</i>					
Steam Boiler	99%			2039	* *	1	\$12,900	
Distribution								
Central Plant Steam Piping/Pmp	100%			2046	* *	4	\$600	
Terminal Devices								
Convactor/Radiator	100%			2031	* *	1	\$4,200	
Air Conditioning								
Energy Source								
Electricity	100%			2042	* *	1		
Conversion Equipment								
Window/Wall Unit	70%			2021	\$19,500	1		
No Component	30%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	\$7,300	
Exhaust Fans								
Roof	40%			2026	\$8,900	2	\$200	
Wall Unit	60%			2026	\$2,900	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	* *	1		

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 271/LADDER CO. 124
Asset # : 13158

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing	Water Heater Gas Fired	100%			2021	\$8,200	2	\$200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 - 75 Gallon Units</i>					
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Sump Pump(s) Submersible	100%			2019	\$500	4	\$400
	Fixtures Generic	100%						
Fire Suppression	Chemical System Generic	100%			2024	\$2,100	1-3	\$3,700

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 273/LADDER CO. 129
Address : 40-18 UNION STREET @ LIRR
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.273 / 13159 **Yr Built/Renovated** : 1931 / 2011
Area Sq Ft : 6,120 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-May-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5019 **Lot** : 66 **BIN** : 4113561

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Interior Architecture	\$148,800	
Total	\$148,800	
Importance Code B	\$148,800	
Total	\$148,800	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$2,000			\$13,200
Interior Architecture	\$9,400	\$900	\$500	
Electrical	\$3,100		\$100	\$2,000
Mechanical	\$4,100	\$1,100	\$1,100	\$9,100
Site Pavements	\$14,500			
Total	\$33,100	\$2,000	\$1,700	\$24,300
Importance Code A	\$2,600	\$600	\$600	\$13,800
Importance Code B	\$6,700	\$1,400	\$800	\$10,500
Importance Code C	\$23,900		\$300	
Total	\$33,100	\$2,000	\$1,700	\$24,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 273/LADDER CO. 129
Asset # : 13159

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%			LIFE	**	5	\$14,300	
<i>Painted Surfaces, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : North And West Façade</i>								
Masonry: Limestone	10%			LIFE	**	5	\$1,300	
Wood Overhead Doors	10%			2032	**	5	\$8,900	
Windows								
Aluminum	100%	0-2	\$2,000	2043	**	5	\$200	
<i>Crtrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	85%			LIFE	**	5	\$1,900	
Masonry: Limestone	10%			LIFE	**	5	\$300	
Pre-Cast Concrete	5%			LIFE	**	5	\$700	
Roof								
Modified Bitumen	100%			2032	**	10	\$8,700	
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	**	5	\$10,800	
Ceramic Tile	5%			2036	**	5	\$400	
Quarry Tile	5%			2040	**	5	\$600	
Vinyl Tile	30%			2035	**	3	\$900	
Interior Walls								
Ceramic Tile	5%			2036	**	5	\$600	
Masonry: Brick	15%			LIFE	**			
Plaster	50%	Now	\$9,400	LIFE	**	5	\$1,800	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Second Floor</i>								
SGFT/Glazed Masonry	25%			LIFE	**			
Wood	5%			LIFE	**	5	\$2,300	
Ceilings								
AcousTileSusp.Lay-In	5%			2040	**	5	\$500	
Exposed Concrete	50%	Now	\$148,800	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basemnet</i>								
<i>Explanation : Lally Columns In Basement Shore Up Apparatus Floor Above.</i>								
Plaster	45%			LIFE	**	5	\$2,600	
Site Enclosure								
Fence/Gates								
Chain link	100%			2047	**			
Site Pavements								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 273/LADDER CO. 129
Asset # : 13159

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%			2040	**			
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Parking/Driveway

Cast in Place Concrete	100%	2-4	\$14,500	2040	**			
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 20%**Location : Cracking At Ohd*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2027	\$4,800	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : Main Service Switch Rated @ 400 Amperes*

Raceway

Conduit	100%			2027	\$31,300	1		
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Panelboards

Fused Disc Sw	20%	4+	\$1,500	2026	\$7,700	5		
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*Enclosure Damaged, Extent : Light, Area Affected : 100%**Location : Basement*

Molded Case Bkrs	80%			2026	\$30,800	5	\$100	
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Wiring

Thermoplastic	100%			2027	\$27,700	1		
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Motor Controllers

Locally Mounted	100%			2032	**	5		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Lighting

Interior Lighting

Fluorescent	80%			2027	\$13,300	10	\$4,500	
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*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%**Location : 3rd Floor*

Incandescent	5%			2022	\$2,000	2		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Tv Room**Explanation : Downlights*

LED	15%			2032	**			
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*Recent Replace Evident, Extent : Light, Area Affected : 100%**Location : Kitchen*

Exterior Lighting

HID	100%			2027	\$23,100	10		
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Alarm

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.*

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 273/LADDER CO. 129
Asset # : 13159

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Fire/Smoke Detection

No Component

95%

Generic, Analog

5% 0-2

\$1,600

2027

\$3,200

1-3

\$200

*Devices Missing, Extent : Light, Area Affected : 100%**Location : Throughout**Local/Battery Operated Detect, Extent : Light, Area Affected : 100%**Location : Throughout*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2053

* *

1

Conversion Equipment

Steam Boiler

100%

2040

* *

1

\$6,100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 1 Unit*

Distribution

Central Plant Steam

100%

2037

* *

4

\$300

Piping/Pmp

Terminal Devices

Convactor/Radiator

100%

2032

* *

1

\$2,000

Air Conditioning

Energy Source

Electricity

100%

2035

* *

1

Conversion Equipment

Exterior Pkg Unit -

Cooling

20%

2035

* *

2

\$100

Split Unit

20%

2032

* *

Window/Wall Unit

40%

2022

\$4,800

1

No Component

20%

Ventilation

Distribution

Ductwork/Diffusers

20%

LIFE

* *

2-5

\$700

No Component

80%

Exhaust Fans

Roof

20%

2027

\$1,900

2

Wall Unit

15%

2027

\$300

2

No Component

65%

Plumbing

H/C Water Piping

Brass/Copper

100%

2037

* *

1

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.*

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 273/LADDER CO. 129
Asset # : 13159

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Water Heater Gas Fired	100%			2022	\$3,500	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2-75 Gallon Units</i>								
	Sanitary Piping Cast Iron	100%	Now	\$2,100	LIFE	**	1	
<i>Blockage /Clogged, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement</i>								
	Storm Drain Piping Cast Iron	100%	Now	\$1,200	LIFE	**	1	
<i>Blockage /Clogged, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Water Backs Up In Basement</i>								
	Sump Pump(s) Submersible	100%			2020	\$200	4	\$200
Fixtures								
	Generic	100%						
Fire Suppression								
	Chemical System No Component Generic	95%			2025	\$100	1-3	\$200
		5%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 274
Address : 41-20 MURRAY STREET @ LIRR
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.274 / 13160 **Yr Built/Renovated** : 1940 /
Area Sq Ft : 6,204 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-May-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5058 **Lot** : 37 **BIN** : 4114925

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$38,300	
Total	\$38,300	
Importance Code A	\$38,300	
Total	\$38,300	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$50,300			\$4,100
Interior Architecture	\$37,000	\$800	\$300	\$800
Electrical	\$4,400	\$2,200	\$500	\$13,600
Mechanical	\$1,300	\$800	\$1,000	\$5,600
Site Enclosure	\$200			
Site Pavements	\$7,800			
Total	\$100,900	\$3,900	\$1,800	\$24,200
Importance Code A	\$50,900	\$600	\$600	\$4,800
Importance Code B	\$39,200	\$3,300	\$1,200	\$19,500
Importance Code C	\$10,900		\$100	
Total	\$100,900	\$3,900	\$1,800	\$24,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 274
Asset # : 13160

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	77%	Now	\$38,300	LIFE	**	5	\$12,700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : South Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : South Facade</i>								
Masonry: Granite	3%			LIFE	**	5	\$400	
Masonry: Limestone	10%	Now	\$18,000	LIFE	**	5	\$1,200	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Facade</i>								
Wood Overhead Doors	10%			2032	**	5	\$8,300	
Windows								
Aluminum	100%	Now	\$1,700	2043	**	5	\$200	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Second Floor</i>								
Parapets								
Wood Cornice	100%			2037	**	5-10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Wood Overhang</i>								
Roof								
Asphalt Shingle	100%	Now	\$30,500	2042	**			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Hose Tower</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Second Floor</i>								
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$8,300	
Cast in Place Concrete	15%			LIFE	**	5	\$3,100	
Ceramic Tile	5%			2036	**	5	\$500	
Quarry Tile	5%			2040	**	5	\$700	
Vinyl Tile	30%	2-4	\$24,200	2037	**	3	\$1,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout 2nd Floor</i>								
Wood	5%			2055	**	5	\$900	
Interior Walls								
Ceramic Tile	5%			2036	**	5	\$100	
Plaster	70%	Now	\$2,900	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Hose Tower</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 85%</i>								
<i>Location : Hose Tower</i>								
SGFT/Glazed Masonry	25%			LIFE	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 274
Asset # : 13160

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

AcousTileSusp.Lay-In	10%			2032	**	5	\$900	
Exposed Concrete	30%			LIFE	**	5	\$400	
Exposed Struc: Steel	20%			LIFE	**			
Plaster	40%	Now	\$9,900	LIFE	**	5	\$2,400	

Cracking/Crumbling, Extent : Severe, Area Affected : 20%

Location : Second Floor And Hose Tower

Paint Peeling, Extent : Severe, Area Affected : 25%

Location : Second Floor And Hose Tower

Water Penetration, Extent : Severe, Area Affected : 10%

Location : Locker / Corridor On 2nd Floor

Site Enclosure

Fence/Gates

Chain link	100%	2-4	\$200	2053	**			
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Broken/Missing Elements, Extent : Moderate, Area Affected : 10%
Location : Backyard

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%	Now	\$7,800	2040	**			
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Other Observation, Extent : Severe, Area Affected : 10%
Location : Sidewalk Hatch To Basement Failed
Explanation : Leaks Into Basement

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2037	**	5		
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Other Observation, Extent : Moderate, Area Affected : 100%
Location : Electrical Room
Explanation : Main Service Switch Rated @ 200 Amperes

Switchgear / Switchboard

Molded Case Bkrs	100%			2037	**	5	\$200	
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Raceway

Conduit	100%			2037	**	1		
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Panelboards

Molded Case Bkrs	100%			2035	**	5	\$200	
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Wiring

Thermoplastic	100%			2037	**	1		
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Motor Controllers

Locally Mounted	100%			2032	**	5		
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Ground

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 274
Asset # : 13160

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Generic	100%	2-4	\$3,800	LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded</i>								
Stand-by Power								
Transfer Switches Automatic	100%			2032	**	1	\$1,900	
Generators Diesel	100%			2030	**	1	\$2,400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside The Building</i>								
<i>Explanation : Emergency Generator Rated @ 80 Kva</i>								
Batteries Lead/Acid	100%			2020	\$1,500	5	\$200	
Fuel Storage Main Tank	100%			2042	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 60 Gallons</i>								
Lighting								
Interior Lighting Fluorescent	40%			2027	\$6,700	10	\$2,300	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
LED	60%			2032	**			
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floor</i>								
Egress Lighting Emergency, Service No Component	50%			2027	\$1,500	1		
	50%							
Exterior Lighting HID	100%			2027	\$23,400	10		
Alarm								
Security System No Component Generic	80%			2027	\$3,700	1	\$500	
	20%							
Fire/Smoke Detection No Component Generic, Analog	80%			2022	\$12,800	1-3	\$800	
	20%							
<i>Devices Missing, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 274
Asset # : 13160

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Steam Boiler	100%			2040	**	1	\$6,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2037	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2032	**	1	\$2,000	
Air Conditioning								
Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Window/Wall Unit	40%			2022		1	\$4,800	
No Component	60%							
Ventilation								
Exhaust Fans								
Wall Unit	20%	Now	\$400	2037	**	2		
<i>Malfunctioning, Extent : Severe, Area Affected : 20%</i>								
<i>Location : The Louver Is Inoperable - Apparatus Floor</i>								
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2037	**	1		
Water Heater								
Gas Fired	100%			2025		2	\$3,500	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : (2) 75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	100%			2027		4	\$900	\$200
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 275/LADDER CO. 133
Address : 111-36 MERRICK BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.275 / 13161 **Yr Built/Renovated** : 1960 / 2009
Area Sq Ft : 6,306 **Project Type** : FIRE DEPARTMENT
Date of Survey : 31-Mar-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 10208 **Lot** : 45 **BIN** : 4217371

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$38,900
Electrical		\$87,300
Total		\$126,200
Importance Code A		\$38,900
Importance Code B		\$87,300
Total		\$126,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$40,800			\$600
Interior Architecture	\$29,100	\$1,400		
Electrical	\$2,000		\$100	\$6,700
Mechanical	\$10,300	\$11,600	\$600	\$500
Total	\$82,200	\$13,100	\$600	\$7,800
Importance Code A	\$41,200	\$300	\$300	\$900
Importance Code B	\$29,600	\$12,500	\$300	\$6,900
Importance Code C	\$11,500	\$300		
Total	\$82,200	\$13,100	\$600	\$7,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 275/LADDER CO. 133

Asset # : 13161

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	95%	4+	\$24,700	LIFE	**	5	\$16,400	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Multiple Relieving Angles</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Missing Mortar At Relieving Angles At Several Locations</i>								
Wood Overhead Doors	5%	Now	\$500	2025	\$27,300	5	\$2,200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Main Door</i>								
<i>Explanation : Occasionally Malfunctions And Fails To Open</i>								
Windows								
Aluminum	100%			2052	**	5	\$400	
Parapets								
Masonry: Brick	90%			LIFE	**	5	\$1,700	
Metal Panel	10%			2047	**	5	\$700	
Roof								
Built-Up (BUR)	100%	Now	\$15,600	2027	\$38,900			1
<i>Alligatoring, Extent : Severe, Area Affected : 65%</i>								
<i>Location : Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Base Flashing At Stair/ Hose Tower</i>								
<i>Ponding, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Various Locations And Bulkhead Roof</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : At Hose Tower Roof</i>								
Interior								
Floors								
Cast in Place Concrete	30%	Now	\$11,300	LIFE	**	5	\$6,000	
<i>Spalling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Main Apparatus Floor</i>								
Ceramic Tile	15%			2030	**	5	\$1,400	
Granite Panels	15%			LIFE	**	5	\$1,000	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	40%			2035	**	3	\$1,400	
<i>Recent Replace Evident, Extent : Light, Area Affected : 80%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 275/LADDER CO. 133
Asset # : 13161

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Cast in Place Concrete	10%	4+	\$7,300	LIFE	**			
<i>Paint Peeling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Cellar</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Multiple Locations In The Cellar</i>								
Ceramic Tile	10%			2030	**	5	\$600	
Gypsum Board	10%			LIFE	**	5	\$300	
Plaster	45%	Now	\$4,200	LIFE	**	5	\$800	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations On The 2nd Floor And Stair Tower</i>								
<i>Spalling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Hose/ Stair Tower And Basement Stairs</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Hose/ Stair Tower And Basement</i>								
SGFT/Glazed Masonry	20%			LIFE	**			
Wood	5%			LIFE	**	5	\$1,200	
Ceilings								
AcousTileSusp.Lay-In	10%			2044	**	5	\$900	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Exposed Concrete	10%	Now	\$5,800	LIFE	**	5	\$100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Stair Tower</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Stair Tower</i>								
Plaster	80%			LIFE	**	5	\$4,500	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2027	\$4,800	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 200 Amperes Service Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2027	\$48,800	5	\$200	
Raceway								
Conduit	90%			2037	**	1		
Conduit	10%			2047	**	1		
Panelboards								
Molded Case Bkrs	100%			2026	\$38,500	5	\$200	

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 275/LADDER CO. 133

Asset # : 13161

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Wiring								
Braided Cloth	50%			2026	\$13,800	1		
Thermoplastic	50%			2047	**	1		
Motor Controllers								
Locally Mounted	100%			2025	\$14,400	5		
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								
Interior Lighting								
Fluorescent	70%			2035	**	10	\$4,000	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : First And Second Floor</i>								
Fluorescent	20%			2022	\$3,400	10	\$1,200	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Garage Area</i>								
Incandescent	5%	0-2	\$2,000	2037	**	2		
<i>Obsolete Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Mechanical Room, 1st Floor Kitchen, Bulkhead And Pole Area</i>								
Incandescent	5%			2022	\$2,000	2		
Exterior Lighting								
HID	100%			2027	\$23,800	10		
<i>Obsolete Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : In Pole Area - 1st And 2nd Floors</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Operated Via Timer</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Electricity	5%			2047	**	1		
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st Floor T. V. Room</i>								
<i>Explanation : Hard Wired Electric Heater Serving T. V. Room</i>								
Natural Gas	95%			2047	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2032	**	1	\$3,100	
Distribution								
Hot Wtr Piping/Pump	100%			2035	**	4	\$500	

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FIRE DEPARTMENT - 057
ENGINE CO. 275/LADDER CO. 133
Asset # : 13161

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
Terminal Devices								
	Convactor/Radiator	80%			2040	**	1	\$1,600
	Unit Heater - Steam	20%	2-4	\$2,100	2037	**	4	\$100
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Undersized</i>								
Air Conditioning								
Energy Source								
	Electricity	100%			2035	**	1	
Conversion Equipment								
	Split Unit	10%			2027			\$12,600
	Window/Wall Unit	90%			2020		1	\$11,100
Ventilation								
Exhaust Fans								
	Interior	20%	Now	\$1,700	2027		2	\$4,200
<i>Broken, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Bathroom</i>								
	Roof	80%			2027		2	\$200
Plumbing								
H/C Water Piping								
	Galvanized Steel	100%			2040	**	1	
Water Heater								
	Gas Fired	100%			2025		2	\$3,600
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 50 Gallons. Nameplate Incorrectly Reads 75 Gallons.</i>								
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	55%			LIFE	**	1	
	Cast Iron	45%	Now	\$5,500	LIFE	**	1	
<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Floor Drains, Apparatus Floor</i>								
<i>Damaged, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Floor Drains, Apparatus Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Pipe Size Is Too Small To Allow Proper Drainage</i>								
Sump Pump(s)								
	Submersible	100%			2019		4	\$200
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Explanation : Simplex Pump</i>								
Fixtures								
	Generic	100%						
Fire Suppression								

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FIRE DEPARTMENT - 057
ENGINE CO. 275/LADDER CO. 133
Asset # : 13161

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression								
Chemical System								
	Wet	10%			2026	\$200	1-3	\$400
	No Component	90%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 276
Address : 1635 EAST 14th STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.276 / 13162 **Yr Built/Renovated** : 1910 /
Area Sq Ft : 13,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 20-Jul-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,3
Block : 6777 **Lot** : 64 **BIN** : 3182420

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$153,600	
Interior Architecture	\$234,000	
Electrical	\$8,800	\$109,800
Mechanical		\$48,800
Total	\$396,400	\$158,700
Importance Code A	\$153,600	
Importance Code B	\$242,800	\$158,700
Total	\$396,400	\$158,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$80,600	\$1,700		
Interior Architecture	\$154,800			\$1,300
Electrical	\$1,000	\$3,500	\$1,100	\$4,300
Mechanical	\$6,500	\$1,700	\$2,300	\$31,500
Total	\$242,900	\$6,800	\$3,400	\$37,100
Importance Code A	\$81,900	\$3,000	\$1,300	\$1,500
Importance Code B	\$86,000	\$3,800	\$2,100	\$35,600
Importance Code C	\$74,900			
Total	\$242,900	\$6,800	\$3,400	\$37,100



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 276
Asset # : 13162

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	77%	Now	\$5,000	LIFE	**	5	\$8,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Street Facade At Door</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	3%	Now	\$15,100	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	3%	Now	\$14,000	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Metal Sect. OHD	10%			2040	**	5	\$3,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Entrance</i>								
<i>Explanation : Recent Replace Evident</i>								
Wood	7%	Now	\$3,900	2040	**	5	\$1,900	
<i>Water Penetration, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Front Facade</i>								
<i>Explanation : Covered With Sheet Metal</i>								
Windows								
Aluminum	100%	Now	\$34,100	2043	**	5	\$1,000	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Hardware Missing, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 276
Asset # : 13162

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Parapets								
Masonry: Brick	60%	Now	\$55,400	LIFE	**	5	\$1,000	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 66%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Main Roof</i>								
Masonry: Limestone	30%	Now	\$50,200	LIFE	**	5	\$600	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Metal Cornice	10%	Now	\$8,200	2067	**			1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
Roof								
Asphalt Shingle	5%	Now	\$400	2036	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Built-Up (BUR)	95%	Now	\$48,000	2037	**			
<i>Debris Present, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Gravel/Slag Surface, Extent : Moderate, Area Affected : 55%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 66%</i>								
<i>Location : Main Roof</i>								
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$32,300	LIFE	**	5	\$17,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%	Now	\$3,800	2036	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	55%	Now	\$90,800	2037	**	3	\$4,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 66%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 85%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 276
Asset # : 13162

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	40%	Now	\$32,800	2036	**	5	\$3,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Concrete Masonry Unit	5%	Now	\$3,300	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	10%	Now	\$17,400	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Plaster	45%	Now	\$21,500	LIFE	**	5	\$2,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
<i>Vertical Cracks, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Hose Tower</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Hose Tower</i>								
Ceilings								
Ceramic Tile	35%	Now	\$13,200	LIFE	**	5	\$4,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Steel	35%	Now	\$143,200	LIFE	**			
<i>Deformed/Dented, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Plaster	30%	Now	\$30,600	LIFE	**	5	\$3,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2027	\$4,800	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Switch Rated @ 350 Amperes. Evidence Of Water Penetration Through The Walls In The Basement</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2027	\$48,800	5	\$300	

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FIRE DEPARTMENT - 057
ENGINE CO. 276
Asset # : 13162

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Raceway								
	Conduit	90%			2027	\$28,200	1	
	Conduit	10%			2037	**	1	
Panelboards								
	Fused Disc Sw	5%			2035	**	5	
	Molded Case Bkrs	90%			2026	\$34,600	5	\$300
	Molded Case Bkrs	5%			2035	**	5	
Wiring								
	Thermoplastic	90%			2027	\$24,900	1	
	Thermoplastic	10%			2037	**	1	
Motor Controllers								
	Locally Mounted	100%			2025	\$14,400	5	\$100
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$200
Stand-by Power								
Transfer Switches								
	Automatic	100%			2032	**	1	\$4,000
Generators								
	Diesel	100%			2030	**	1	\$5,000
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Emergency Generator Rated @ 80kva, Exhaust System Of The Generator Is Not Operational</i>								
Batteries								
	Lead/Acid	100%			2020	\$1,500	5	\$500
Fuel Storage								
	Day Tank	50%			2035	**	5	\$1,200
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 75 Gallons Rated Capacity</i>								
	Main Tank	50%			2030	**	5	\$200
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 275 Gallons Rated Capacity</i>								
Lighting								
Interior Lighting								
	Fluorescent	25%			2022	\$8,800	10	\$3,000
<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
	Fluorescent	70%			2027	\$24,700	10	\$8,300
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
	Fluorescent	5%			2027	\$1,800	10	\$600
<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 276
Asset # : 13162

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Egress Lighting								
Emergency, Service	100%			2027	\$6,400	1		
Exterior Lighting								
HID	10%			2027	\$4,900	10		
No Component	90%							

Alarm

Security System								
No Component	90%							
Generic	10%			2027	\$3,900	1	\$500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Steam Boiler	100%			2032	**	1	\$12,900	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Chimney</i>								
<i>Explanation : Under Size Boiler</i>								

Distribution								
Central Plant Steam Piping/Pmp	100%			2037	**	4	\$600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : There Is One Thermostat In The Building</i>								

Terminal Devices								
Convactor/Radiator	75%			2025	\$48,800	1	\$3,200	
Unit Heater - Steam	25%			2022	\$10,900	4	\$300	
<i>Other Observation, Extent : Light, Area Affected : 25%</i>								
<i>Location : Engine Bay</i>								
<i>Explanation : Unit Heaters Serve Engine Bay</i>								

Air Conditioning

Energy Source								
Electricity	100%			2035	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 276
Asset # : 13162

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Split Unit	10%			2027	\$25,900		
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Roof</i>								
<i>Explanation : 1 Unit. R-410a</i>								
	Window/Wall Unit	50%			2022	\$12,700	1	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Roof</i>								
<i>Explanation : There Is A Roof Top Ac Unit Sitting On Roof But Never Been Installed.</i>								
	Window/Wall Unit	15%	Now	\$3,800	2027	\$3,800	1	
<i>Obsolete Equipment, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Various</i>								
	No Component	25%						
Terminal Devices								
	Fan Coil - 2 Pipe	10%			2027	\$17,300	1	\$400
	No Component	90%						
Heat Rejection								
	Evaporative Condenser	10%			2027	\$2,800	2	\$900
	No Component	90%						
Ventilation								
Distribution								
	Ductwork/Diffusers	10%			LIFE	**	2-5	\$700
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Kitchen Roof</i>								
<i>Explanation : The Generator Exhaust Duct Needs To Be Extended To Outside Of The Roof</i>								
	No Component	90%						
Exhaust Fans								
	Roof	10%			2032	**	2	
	Roof	25%	Now	\$300	2022	\$5,000	2	\$100
<i>Not in Service, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Roof</i>								
	Wall Unit	25%			2022	\$1,100	2	\$100
	No Component	40%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2037	**	1	
Water Heater								
	Gas Fired	100%			2025	\$7,400	2	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units, 74 Gallons Each</i>								
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	

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FIRE DEPARTMENT - 057
ENGINE CO. 276
Asset # : 13162

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component	% of	Fail Date	Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost
Type	Total	(Years)	FY	(Yrs)				
Plumbing								
	Sump Pump(s)							
	Submersible	100%			2019	\$400	4	\$400
Fixtures								
	Generic	100%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 277/LADDER CO. 112
Address : 582 KNICKERBOCKER AVENUE @ PALMETTO ST.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.277 / 13163 **Yr Built/Renovated** : 2007 /
Area Sq Ft : 15,756 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Nov-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 3343 **Lot** : 29 **BIN** : 3076461

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$282,900	\$156,700
Interior Architecture	\$77,700	
Total	\$360,500	\$156,700
Importance Code A	\$282,900	\$156,700
Importance Code B	\$77,700	
Total	\$360,500	\$156,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$43,500			
Interior Architecture	\$75,000	\$6,500	\$900	\$800
Electrical	\$3,300	\$2,600	\$3,100	\$4,100
Mechanical	\$31,700	\$2,700	\$3,600	\$2,000
Total	\$153,600	\$11,800	\$7,600	\$6,900
Importance Code A	\$44,300	\$800	\$800	\$800
Importance Code B	\$66,800	\$11,000	\$6,800	\$5,300
Importance Code C	\$42,500			\$800
Total	\$153,600	\$11,800	\$7,600	\$6,900



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FIRE DEPARTMENT - 057
ENGINE CO. 277/LADDER CO. 112
Asset # : 13163

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast in Place Concrete	3%			LIFE	**	5	\$19,300	
Glass Block	2%			LIFE	**	5	\$1,600	
Metal/Glass Curt Wall	18%	Now	\$183,400	LIFE	**	5	\$21,700	
<i>Glazing Clouded, Extent : Light, Area Affected : 30%</i>								
<i>Location : Unable To Clean Exterior Face Glass - Areas Inaccessible</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Bunk Room</i>								
<i>Other Observation, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Street Facade (North Side) - Above Public Sidewalk</i>								
<i>Explanation : Purported Hazard - Condensate Ices On Metal Screens, Freezes And Free Falls To Public Sidewalk Below</i>								
Pre-Cast Concrete	75%	0-2	\$99,500	LIFE	**	5	\$156,700	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : Perimeter Walls At Grade (Tiled Walls)</i>								
Window Wall	2%			2048	**	5	\$4,800	
Windows								
Aluminum	100%	Now	\$4,200	2044	**	5	\$500	
<i>Unit Inoperable, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Rear Windows Installed Upside Down - Rendering Units To Function Improperly</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Water Seeping Under Sill Pan - 2nd Floor Bunk Room</i>								
Parapets								
Pre-Cast Concrete	90%			LIFE	**	5	\$43,300	
Weathering Steel	10%			LIFE	**	1		
Roof								
Cast in Place Concrete	5%	Now	\$200	LIFE	**			
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Rear Courtyard</i>								
<i>Explanation : Moisture And Ponding At Ventilation Grille Adjacent To Retention Tanks Creating Insect Breeding Grounds</i>								
Modified Bitumen	95%	0-2	\$7,100	2033	**			
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Upper And Lower Roofs</i>								
<i>Debris Present, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Reflective Surface, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Upper And Lower Roofs</i>								

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 277/LADDER CO. 112
Asset # : 13163

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	55%	Now	\$13,500	LIFE	**	5	\$28,400	
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Apparatus Floor - At Edges Of Slab And Floor Drains Into Basement</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : At Entry To Kitchen (Floor Drain), Basement Pump Room And Corridor</i>								
Ceramic Tile	3%	Now	\$700	2037	**	5	\$400	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 1st And 2nd Floor Bathrooms</i>								
Quarry Tile	2%	4+	\$700	2041	**	5	\$400	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen Area</i>								
Vinyl Tile	30%			2033	**	3	\$2,700	
Wood	10%	Now	\$77,700	2068	**	5	\$2,200	
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor Bunk Room</i>								
<i>Uneven Surface, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Cast in Place Concrete	25%			LIFE	**	10	\$21,200	
Ceramic Tile	5%			2037	**	5	\$1,700	
Concrete Masonry Unit	20%			LIFE	**	5	\$5,400	
Gypsum Board	50%			LIFE	**	5-10	\$28,800	
Ceilings								
AcousTileSusp.Lay-In	55%			2045	**	5	\$13,000	
Exposed Struc: Steel	35%			LIFE	**	10	\$16,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Component Actually Concrete Metal Decking</i>								
Gypsum Board	10%	Now	\$1,200	LIFE	**	5	\$2,900	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : First Floor Near Kitchen</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2041	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

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FIRE DEPARTMENT - 057
ENGINE CO. 277/LADDER CO. 112
Asset # : 13163

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Service Equipment								
	Fused Disc Sw	70%			2048	**	5	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room Basement</i>								
<i>Explanation : One 800 Amperes Main Disconnect Switch For The Entire Building.</i>								
	Fused Disc Sw	30%			2048	**	5	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room Basement</i>								
<i>Explanation : One 400 Amperes Main Disconnect Switch For The HVAC</i>								
Switchgear / Switchboard								
	Fused Disc Sw	100%			2048	**	5	\$100
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room Basement</i>								
<i>Explanation : Six 100 Apms Each Mdp</i>								
Raceway								
	Conduit	100%			2048	**	1	
Panelboards								
	Fused Disc Sw	5%			2044	**	5	
	Molded Case Bkrs	95%			2044	**	5	\$400
Wiring								
	Thermoplastic	100%			2048	**	1	
Motor Controllers								
	Locally Mounted	100%			2041	**	5	\$100
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$500
Stand-by Power								
Transfer Switches								
	Automatic	100%			2041	**	1	\$4,900
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room Basement</i>								
<i>Explanation : Three Automatic Transfer Switch</i>								
Generators								
	Diesel	100%			2037	**	1	\$6,100
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room Basement</i>								
<i>Explanation : One 80 Kw Onan Cummins Genset</i>								
Batteries								
	Lead/Acid	100%			2022	\$1,500	5	\$600
Fuel Storage								
	Main Tank	100%			2056	**	5	\$500
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : One 275 Gallons</i>								

Lighting

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FIRE DEPARTMENT - 057
ENGINE CO. 277/LADDER CO. 112
Asset # : 13163

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	100%			2033	**	10	\$14,500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
<hr/>								
Egress Lighting								
Emergency, Service	60%			2033	**	1		
Exit, Service	40%			2033	**	1		
<hr/>								
Exterior Lighting								
HID	70%			2033	**	10		
Incandescent	30%			2033	**	2		
<hr/>								
Alarm								
Security System Generic	100%			2036	**	1	\$5,900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside Only</i>								
<i>Explanation : Three CCTV Surveillance Camera</i>								
<hr/>								
Fire/Smoke Detection Generic, Digital	100%			2033	**	1-3	\$9,700	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Pull Box, Strobe Lights, Bell, Horn, Smoke Detector And Fire Panelboard.</i>								
<hr/>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2048	**	1		
<hr/>								
Conversion Equipment Hot Water Boiler	100%			2041	**	1	\$7,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Boiler Room</i>								
<i>Explanation : 2 Units</i>								
<hr/>								
Distribution Hot Wtr Piping/Pump	100%			2044	**	4	\$1,200	
<i>Other Observation, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>Explanation : There Is No Temperature Control, Except Apparatus Floor.</i>								
<hr/>								
Terminal Devices								
Air Handler	30%			2033	**	1	\$2,900	
Convactor/Radiator	40%			2041	**	1	\$2,000	
Fan Coil Unit/Heat	30%			2033	**	1	\$1,500	
<hr/>								
Air Conditioning								
Energy Source Electricity	100%			2044	**	1		

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 277/LADDER CO. 112
Asset # : 13163

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	55%	0-2	\$10,100	2033	**	2	\$400	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 55%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : Light, Area Affected : 80%</i>								
<i>Location : Roof</i>								
<i>Explanation : 4 Units. Inefficient Units.</i>								
Split Unit	10%			2033	**			
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : House Watch And 2nd Floor</i>								
<i>Explanation : 2 Units. R-410a</i>								
Window/Wall Unit	10%			2026	\$3,100	1		
No Component	25%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2033	**	1	\$500	
No Component	90%							
Heat Rejection								
Evaporative Condenser	10%			2033	**	2	\$1,100	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%	Now	\$6,800	LIFE	**	2-5	\$8,800	
<i>Corroded, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Boiler Room. Due To Water Leaks From Apparatus Floor.</i>								
Exhaust Fans								
Roof	100%	Now	\$1,200	2033	**	2	\$400	
<i>Not Energy Efficient, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Kitchen Exhaust System</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2048	**	1		
Water Heater								
Gas Fired	100%			2026	\$9,000	2	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Boiler Room</i>								
<i>Explanation : 2 Units</i>								
Sanitary Piping								
Cast Iron	100%	Now	\$10,800	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Male Restroom And Basement Water Meter Room.</i>								
<i>Leak Evident, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Leaking From 1st Floor To Basement Boiler Room</i>								
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Drain System Defected Causes Water Backing Up In Basement Frequently.</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 277/LADDER CO. 112
Asset # : 13163

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Non-Submersible	100%	Now	\$700	2033	**	4	\$300
				<i>Corroded, Extent : Moderate, Area Affected : 20%</i>				
				<i>Location : Housing Of The Sump Pump, Basement Boiler Room</i>				
				<i>Malfunctioning, Extent : Severe, Area Affected : 50%</i>				
				<i>Location : Boiler Room</i>				
	Backflow Preventer							
	Generic	100%			2033	**	1	\$1,000
	Fixtures							
	Generic	100%						
Fire Suppression								
	Sprinkler							
	No Component	80%						
	Generic	20%			2048	**	1-2	\$900
	Chemical System							
	Generic	100%			2026	\$1,900	1-3	\$3,700

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 279/LADDER CO. 131
Address : 252 LORRAINE STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.279 / 13165 **Yr Built/Renovated** : 1912 / 2011
Area Sq Ft : 10,548 **Project Type** : FIRE DEPARTMENT
Date of Survey : 28-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2,3
Block : 486 **Lot** : 18 **BIN** : 3008207

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Interior Architecture	\$64,900	
Electrical		\$79,600
Mechanical		\$230,800
Total	\$64,900	\$310,300
Importance Code A		\$63,800
Importance Code B		\$246,500
Importance Code C	\$64,900	
Total	\$64,900	\$310,300

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$2,900	\$10,000		
Interior Architecture	\$50,300	\$2,200	\$700	
Electrical	\$9,500		\$100	\$10,100
Mechanical	\$2,300	\$2,100	\$2,200	\$19,100
Total	\$65,100	\$14,400	\$2,900	\$29,200
Importance Code A	\$3,900	\$11,100	\$1,000	\$1,100
Importance Code B	\$52,000	\$3,300	\$1,600	\$28,100
Importance Code C	\$9,200		\$300	
Total	\$65,100	\$14,400	\$2,900	\$29,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 279/LADDER CO. 131
Asset # : 13165

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%			LIFE	**	5	\$22,500	
Masonry: Granite	5%			LIFE	**	5	\$1,200	
Masonry: Limestone	10%			LIFE	**	5	\$2,400	
Stucco Cement	5%			2040	**	5	\$4,000	
Wood Overhead Doors	10%			2040	**	5	\$16,100	
Windows								
Aluminum	100%			2043	**	5	\$700	
Parapets								
Cast Stone/Terra Cotta	30%			LIFE	**	5	\$2,700	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : All Coping Stones</i>								
Masonry: Brick	70%			LIFE	**	5	\$800	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : All Parapet Walls</i>								
Roof								
Modified Bitumen	100%	0-2	\$2,900	2032	**			
<i>Blisters, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	30%			LIFE	**	5	\$10,400	
Ceramic Tile	5%			2036	**	5	\$800	
Quarry Tile	5%			2040	**	5	\$1,200	
Vinyl Tile	60%			2032	**	3	\$3,600	
Interior Walls								
Ceramic Tile	5%			2036	**	5	\$500	
Masonry: Brick	40%	Now	\$64,900	LIFE	**			
<i>Spalling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Basement</i>								
<i>Vertical Cracks, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Bearing Wall At Rear Beam</i>								
Plaster	55%	Now	\$9,200	LIFE	**	5	\$1,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 3rd Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 279/LADDER CO. 131
Asset # : 13165

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Interior

Ceilings

AcousTileSusp.Lay-In	5%			2040	**	5	\$800	
Exposed Concrete	20%	Now	\$10,100	LIFE	**	5	\$500	

Cracking/Crumbling, Extent : Severe, Area Affected : 20%

Location : Rear Wall Beam

Exposed Reinforcement, Extent : Severe, Area Affected : 20%

Location : Rear Wall Beam

Plaster	75%	Now	\$31,000	LIFE	**	5	\$7,400	
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Cracking/Crumbling, Extent : Moderate, Area Affected : 20%

Location : 3rd Floor

Water Penetration, Extent : Moderate, Area Affected : 20%

Location : 3rd Floor

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	50%			2037	**	5		
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Basement

Explanation : Main Service Disconnect Switch Rated @ 200 Amperes

Molded Case Bkrs	50%			2027	\$2,400	5	\$100	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Basement

Explanation : Main Service Disconnect Switch Rated @ 250 Amperes

Switchgear / Switchboard

Molded Case Bkrs	100%			2027	\$48,800	5	\$300	
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Raceway

Conduit	80%			2027	\$25,000	1		
Conduit	20%			2037	**	1		

Panelboards

Molded Case Bkrs	80%			2026	\$30,800	5	\$200	
Molded Case Bkrs	20%			2035	**	5	\$100	

Wiring

Thermoplastic	20%			2037	**	1		
Thermoplastic	80%			2027	\$22,200	1		

Ground

Grounding Devices

Generic	100%	0-2	\$9,500	LIFE	**	5	\$200	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Basement Near Water Service

Explanation : Main Electric Service Ground, Corroded.

Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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FIRE DEPARTMENT - 057
ENGINE CO. 279/LADDER CO. 131
Asset # : 13165

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	95%			2027	\$27,100	10	\$9,200	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	5%			2022	\$1,400	10	\$500	
<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor And Hallways</i>								
Egress Lighting Exit, Service	100%			2027	\$1,200	1		
Exterior Lighting HID	20%			2022	\$8,000	10		
No Component	80%							
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Natural Gas	100%			2037	**	1		
Conversion Equipment Steam Boiler	100%			2025	\$63,800	1	\$10,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 4 Units Piped Together</i>								
Distribution Central Plant Steam Piping/Pmp	100%			2027	\$166,900	4	\$800	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : There Is Only 1 Thermostat In The Building</i>								
Terminal Devices Convactor/Radiator	80%			2032	**	1	\$2,700	
Unit Heater - Steam	20%			2022	\$7,100	4	\$200	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Engine Bays</i>								
<i>Explanation : Unit Heaters Serve Truck Bays</i>								
Air Conditioning								
Energy Source Electricity	100%			2035	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 279/LADDER CO. 131
Asset # : 13165

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Conversion Equipment								
Exterior Pkg Unit - Cooling	40%			2035	**	2	\$300	
		<i>Other Observation, Extent : Light, Area Affected : 40%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 1 Unit. Uses R410 A</i>						
Window/Wall Unit	10%			2022	\$2,100	1		
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$2,900	
No Component	50%							
Exhaust Fans								
Roof	50%			2035	**	2	\$200	
Wall Unit	15%			2027	\$500	2	\$100	
No Component	35%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2037	**	1		
		<i>No Water Meter, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
Water Heater								
Gas Fired	100%			2022	\$6,000	2	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit 75 Gallons</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2020	\$300	4	\$300	
Backflow Preventer								
Generic	100%			2032	**	1	\$700	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2022	\$1,900	1-3	\$4,000	

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 28/LADDER CO. 11
Address : 222 EAST 2nd STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.028 / 13020 **Yr Built/Renovated** : 1959 / 2010
Area Sq Ft : 6,532 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Jul-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 385 **Lot** : 58 **BIN** : 1004608

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$38,400	
Interior Architecture	\$52,100	
Electrical	\$38,500	
Total	\$129,000	
Importance Code A	\$38,400	
Importance Code B	\$90,600	
Total	\$129,000	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$56,900		\$5,300	\$7,800
Interior Architecture	\$72,100			\$400
Electrical	\$51,700			\$100
Mechanical	\$7,100	\$500	\$37,100	\$500
Total	\$187,800	\$500	\$42,300	\$8,800
Importance Code A	\$57,200	\$300	\$5,600	\$8,100
Importance Code B	\$115,800	\$200	\$36,800	\$700
Importance Code C	\$14,800			
Total	\$187,800	\$500	\$42,300	\$8,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 28/LADDER CO. 11
Asset # : 13020

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	90%	0-2	\$28,500	LIFE	**	5	\$18,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	10%			2036	**	5	\$10,500	
Windows								
Aluminum	100%	Now	\$26,400	2039	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	90%			LIFE	**	5	\$2,200	
Metal Rail	10%	Now	\$2,000	2036	**	5	\$1,800	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Main Entrance Facade</i>								
<i>Deformed/Dented, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Main Entrance Facade</i>								
Roof								
Roll Roofing	100%			2022	\$38,400	5	\$15,500	
Interior								
Floors								
Cast in Place Concrete	65%	2-4	\$19,900	LIFE	**	5	\$14,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
Ceramic Tile	4%			2038	**	5	\$400	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout 2010</i>								
Ceramic Tile	1%	Now	\$600	2026	\$1,900	5		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	30%	2-4	\$25,000	2033	**	3	\$1,100	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Second Floor</i>								
Interior Walls								
Ceramic Tile	5%			2038	**	5	\$700	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout 2010</i>								
Gypsum Board	5%			LIFE	**	5	\$400	
Plaster	65%	Now	\$14,800	LIFE	**	5	\$2,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location :</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement, Staircase And Hose Tower</i>								
SGFT/Glazed Masonry	25%			LIFE	**			

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 28/LADDER CO. 11
Asset # : 13020

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	10%	Now	\$7,900	2043	**	5	\$500	
<i>Misaligned/Bulging, Extent : Light, Area Affected : 80%</i>								
<i>Location : 2nd Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Office 2nd Floor</i>								
Exposed Concrete	55%	0-2	\$52,100	LIFE	**	5	\$800	
<i>Worn/Eroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Gypsum Board	5%			LIFE	**	5	\$600	
Plaster	30%	0-2	\$3,900	LIFE	**	5	\$1,800	
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2023	\$4,800	5		
<i>Obsolete Equipment, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 250 Amperes</i>								
Raceway								
Conduit	100%			2023	\$31,300	1		
Panelboards								
Molded Case Bkrs	100%			2022	\$38,500	5	\$200	
Wiring								
Braided Cloth	90%	0-2	\$24,900	2048	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Thermoplastic	10%			2033	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Main</i>								
Lighting								
Interior Lighting								
Fluorescent	95%			2028	\$16,800	10	\$5,700	
Incandescent	5%			2019	\$2,100	2		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 28/LADDER CO. 11
Asset # : 13020

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Egress Lighting								
Exit, Service	50%			2023	\$400	1		
Exit, Battery	50%			2023	\$1,200	10	\$200	
Exterior Lighting								
HID	100%			2019	\$24,600	10		
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2040	**	1	\$3,200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit</i>						
Distribution								
Hot Wtr Piping/Pump	100%			2039	**	4	\$500	
Terminal Devices								
Convactor/Radiator	100%			2021	\$32,700	1	\$2,100	
Air Conditioning								
Energy Source								
Electricity	100%			2031	**	1		
Conversion Equipment								
Window/Wall Unit	50%	0-2	\$6,400	2023	\$6,400	1		
		<i>Other Observation, Extent : Severe, Area Affected : 50%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : On Extended Life And Worn Out</i>						
No Component	50%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Gym Has No A C</i>						
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$700	
No Component	80%							
Exhaust Fans								
Roof	20%			2028	\$2,000	2		
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2033	**	1		
Water Heater								
Gas Fired	100%			2021	\$3,700	2	\$100	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 28/LADDER CO. 11
Asset # : 13020

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Non-Submersible	100%			2023	\$900	4	\$200
	Fixtures							
	Generic	100%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 280/LADDER CO. 132
Address : 489 ST. JOHN'S PLACE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.280 / 13166 **Yr Built/Renovated** : 1912 / 2008
Area Sq Ft : 5,775 **Project Type** : FIRE DEPARTMENT
Date of Survey : 25-Jun-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 1174 **Lot** : 51 **BIN** : 3029451

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$45,800	\$90,500
Total	\$45,800	\$90,500
Importance Code A	\$45,800	\$90,500
Total	\$45,800	\$90,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$8,000	\$300		
Interior Architecture	\$69,700		\$400	\$800
Electrical	\$9,600			
Mechanical	\$13,300	\$800	\$4,600	\$800
Total	\$100,600	\$1,000	\$5,000	\$1,500
Importance Code A	\$8,500	\$800	\$600	\$600
Importance Code B	\$90,900	\$200	\$4,400	\$1,000
Importance Code C	\$1,100			
Total	\$100,600	\$1,000	\$5,000	\$1,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 280/LADDER CO. 132
Asset # : 13166

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Concrete Masonry Unit	5%			LIFE	**	5	\$600	
Masonry: Brick	75%	Now	\$45,800	LIFE	**	5	\$15,200	
<i>Painted Surfaces, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : East Facade</i>								
Masonry: Granite	2%			LIFE	**	5	\$300	
Masonry: Limestone	10%			LIFE	**	5	\$1,500	
Metal Sect. OHD	8%			2028	\$50,600	5	\$5,100	
Windows								
Aluminum	100%			2045	**	5	\$500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	80%			LIFE	**	5	\$600	
<i>Recent Repair Evident, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Metal: Cage/Fence	10%			2028	\$1,500	5-10	\$600	
Pre-Cast Concrete	10%			LIFE	**	5	\$500	
Roof								
Modified Bitumen	100%	Now	\$8,000	2028	\$39,900			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : East Side</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Engine Office</i>								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$11,200	
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Cellar</i>								
Ceramic Tile	5%			2032	**	5	\$500	
Quarry Tile	5%			2036	**	5	\$800	
Vinyl Tile	40%	Now	\$34,600	2033	**	3	\$1,500	
<i>Adhesion Failure, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 280/LADDER CO. 132
Asset # : 13166

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Masonry: Brick	45%			LIFE	**			
Plaster	50%	Now	\$1,100	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Dormitory and Laundry</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor Officer, Bath</i>								
Wood	5%			LIFE	**	5	\$600	
Ceilings								
AcousTileSusp.Lay-In	5%			2028	\$4,100	5	\$500	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Engine Office</i>								
Exposed Concrete	25%	Now	\$24,600	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Extra Load Of Apparatus Floor Is Reinforced With Lally Columns</i>								
Plaster	70%	Now	\$9,400	LIFE	**	5	\$4,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2043	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Protector Rated @ 600 Amperes</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2043	**	5	\$200	
Raceway								
Conduit	50%			2033	**	1		
Conduit	50%			2043	**	1		
Panelboards								
Molded Case Bkrs	100%			2039	**	5	\$200	
Wiring								
Thermoplastic	100%			2043	**	1		
Motor Controllers								
Locally Mounted	100%			2036	**	5		

Ground

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FIRE DEPARTMENT - 057
ENGINE CO. 280/LADDER CO. 132
Asset # : 13166

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Generic	100%	0-2	\$9,500	LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded</i>								
Lighting								
Interior Lighting Fluorescent	100%			2028	\$15,600	10	\$5,300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Egress Lighting Exit, Service	100%			2023	\$600	1		
Exterior Lighting HID	100%			2023	\$21,800	10		
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Natural Gas	100%			2043	**	1		
Conversion Equipment Steam Boiler	100%			2036	**	1	\$5,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution Central Plant Steam Piping/Pmp	100%	Now	\$1,800	2043	**	4	\$300	
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
Terminal Devices Convactor/Radiator	100%			2036	**	1	\$1,900	
Air Conditioning								
Energy Source Electricity	100%			2039	**	1		
Conversion Equipment Window/Wall Unit	60%			2019	\$6,800	1		
No Component	40%							
Ventilation								
Distribution Ductwork/Diffusers	100%			LIFE	**	2-5	\$3,200	
Exhaust Fans Interior	20%			2023	\$3,800	2		
Roof	80%			2023	\$7,200	2	\$100	

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 280/LADDER CO. 132

Asset # : 13166

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
H/C Water Piping Brass/Copper	100%			2033	**	1		
Water Heater Gas Fired	100%			2021	\$3,300	2	\$100	
Sanitary Piping Cast Iron	100%	0-2	\$4,000	LIFE	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 281/LADDER CO. 147
Address : 1210 CORTELYOU ROAD
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.281 / 13167 **Yr Built/Renovated** : 1912 /
Area Sq Ft : 10,106 **Project Type** : FIRE DEPARTMENT
Date of Survey : 29-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5155 **Lot** : 4 **BIN** : 3118638

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$177,400	\$64,100
Interior Architecture		\$57,800
Electrical		\$67,300
Mechanical		\$210,500
Total	\$177,400	\$399,700
Importance Code A	\$177,400	\$64,100
Importance Code B		\$335,600
Total	\$177,400	\$399,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$37,000			\$4,900
Interior Architecture	\$71,300	\$1,200		\$2,700
Electrical	\$28,900	\$100	\$100	\$300
Mechanical	\$45,700	\$1,400	\$1,800	\$20,000
Total	\$182,800	\$2,600	\$1,900	\$27,900
Importance Code A	\$38,000	\$1,000	\$1,000	\$6,000
Importance Code B	\$107,500	\$500	\$900	\$21,800
Importance Code C	\$37,300	\$1,200		
Total	\$182,800	\$2,600	\$1,900	\$27,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 281/LADDER CO. 147
Asset # : 13167

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$88,800	LIFE	**	5	\$29,500	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West Facade At Grade</i>								
Masonry: Granite	3%			LIFE	**	5	\$900	
Masonry: Limestone	15%			LIFE	**	5	\$4,400	
Slate Panels	2%	2-4	\$8,200	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Window Sills</i>								
Wood Overhead Doors	5%			2032	**	5	\$9,800	
Windows								
Aluminum	100%	Now	\$88,700	2052	**	5	\$1,100	
<i>Unit Inoperable, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Second Floor Bathroom</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Windows Are Old, Single-glazed And Deteriorated. They Should Be Replaced</i>								
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$1,500	
Masonry: Brick	80%	0-2	\$17,400	LIFE	**	5	\$3,000	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 15%</i>								
<i>Location : Street Facade @ Entrance</i>								
Masonry: Sandstone	15%	Now	\$5,000	LIFE	**	5	\$700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Coping Stones</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Coping</i>								
<i>Explanation : Actually Bluestone</i>								
Roof								
Modified Bitumen	100%	Now	\$6,400	2027			\$64,100	
<i>Blisters, Extent : Light, Area Affected : 15%</i>								
<i>Location : Main Roof</i>								
<i>Miss/Damaged Flashings, Extent : Light, Area Affected : 15%</i>								
<i>Location : Main Roof</i>								
<i>Ridging, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Upper And Lower Roofs</i>								
Interior								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 281/LADDER CO. 147

Asset # : 13167

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$12,600	LIFE	**	5	\$13,200	
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Back Up From Storm Drain</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Gymnasium Floor</i>								
Ceramic Tile	15%	Now	\$2,200	2030	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	45%	0-2	\$11,600	2027	\$57,800	3	\$2,600	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Second And Third Floors</i>								
Interior Walls								
Ceramic Tile	10%			2030	**	5	\$2,400	
Masonry: Brick	35%	Now	\$32,100	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Rear And Front Basement Walls</i>								
Plaster	55%	4+	\$5,200	LIFE	**	5	\$3,900	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Roof Hatch</i>								
Ceilings								
AcousTileSusp.Lay-In	25%			2032	**	5	\$3,800	
Exposed Struc: Steel	25%			LIFE	**			
Gypsum Board	5%	Now	\$7,600	LIFE	**	5	\$900	
<i>Worn/Eroded, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Kitchen</i>								
Plaster	45%			LIFE	**	5	\$4,300	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2027	\$4,800	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Enclosure Corroded, Missing Cover. Main Service Switch Rated @ 350 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2027	\$48,800	5	\$300	
Raceway								
Conduit	100%			2027	\$31,300	1		
Panelboards								
Fused Disc Sw	2%			2026	\$800	5		
Molded Case Bkrs	48%			2026	\$18,500	5	\$100	
Molded Case Bkrs	50%			2035	**	5	\$100	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 281/LADDER CO. 147

Asset # : 13167

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Wiring								
Braided Cloth	70%	Now	\$19,400	2052	**	1		
<i>Insulation Aged, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	30%			2027	\$8,300	1		
Ground								
Grounding Devices								
Generic	100%	0-2	\$9,500	LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded</i>								
Lighting								
Interior Lighting								
LED	100%			2035	**			
Exterior Lighting								
HID	20%			2027	\$7,600	10		
No Component	80%							
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Steam Boiler	100%			2032	**	1	\$10,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%	Now	\$8,000	2027	\$159,900	4	\$500	
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Terminal Devices								
Convactor/Radiator	100%			2025	\$50,600	1	\$3,300	
Air Conditioning								
Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Window/Wall Unit	60%	Now	\$1,200	2022	\$11,800	1		
<i>Not in Service, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various</i>								
No Component	40%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 281/LADDER CO. 147
Asset # : 13167

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Distribution								
Ductwork/Diffusers	60%			LIFE	**	2-5	\$3,400	
No Component	40%							
Exhaust Fans								
Roof	50%			2032	**	2	\$200	
Wall Unit	20%			2022	\$700	2	\$100	
No Component	30%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%	Now	\$14,100	2037	**	1		
			<i>Corroded, Extent : Severe, Area Affected : 30%</i>					
			<i>Location : Basement</i>					
Water Heater								
Gas Fired	100%			2022	\$5,800	2	\$100	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 - 75 Gallon Units</i>					
Sanitary Piping								
Cast Iron	100%	Now	\$20,700	LIFE	**	1		
			<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>					
			<i>Location : Basement</i>					
			<i>Corroded, Extent : Severe, Area Affected : 20%</i>					
			<i>Location : Basement</i>					
			<i>Other Observation, Extent : Severe, Area Affected : 10%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Water Pit Fill Up With Soil Completely. Flooding In Basement. Sewage Issue Needs To Be Take Care Urgently!</i>					
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%	Now	\$300	2022	\$300	4	\$200	
			<i>Malfunctioning, Extent : Severe, Area Affected : 30%</i>					
			<i>Location : Basement</i>					
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 282/LADDER CO. 148
Address : 4210 12th AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.282 / 13168 **Yr Built/Renovated** : 1912 / 2003
Area Sq Ft : 13,756 **Project Type** : FIRE DEPARTMENT
Date of Survey : 12-Jun-2015 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5597 **Lot** : 44 **BIN** : 3135859

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$54,700	
Electrical		\$27,900
Total	\$54,700	\$27,900
Importance Code A	\$54,700	
Importance Code B		\$27,900
Total	\$54,700	\$27,900

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$36,100			
Interior Architecture	\$32,200	\$1,000		
Electrical			\$3,300	\$100
Mechanical	\$24,000	\$1,500	\$8,100	\$1,500
Total	\$92,300	\$2,500	\$11,400	\$1,600
Importance Code A	\$36,800	\$700	\$700	\$700
Importance Code B	\$46,800	\$800	\$10,700	\$1,000
Importance Code C	\$8,700	\$1,000		
Total	\$92,300	\$2,500	\$11,400	\$1,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 282/LADDER CO. 148

Asset # : 13168

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$54,700	LIFE	**	5	\$18,200	
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Parapet Level, Side Facades</i>								
Masonry: Granite	5%	4+	\$2,700	LIFE	**	5	\$900	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade.</i>								
Masonry: Limestone	10%			LIFE	**	5	\$1,700	
<i>Staining/Discoloring, Extent : Light, Area Affected : 2%</i>								
<i>Location : Front Facade.</i>								
Metal Sect. OHD	5%			2043	**	5	\$3,500	
Windows								
Aluminum	100%	4+	\$2,600	2048	**	5	\$1,500	
<i>Hardware Missing, Extent : Light, Area Affected : 15%</i>								
<i>Location : 2nd Floor Latches Loose Or Broken</i>								
Parapets								
Masonry: Brick	85%	Now	\$6,500	LIFE	**	5	\$2,300	
<i>Efflorescence, Extent : Light, Area Affected : 10%</i>								
<i>Location : Various Throughout.</i>								
Masonry: Limestone	15%	Now	\$4,200	LIFE	**	5	\$500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 15%</i>								
<i>Location : Coping Stones Located Over Cornice At Front Facade</i>								
Roof								
Modified Bitumen	100%	4+	\$20,100	2031	**			
<i>Alligatoring, Extent : Light, Area Affected : 10%</i>								
<i>Location : All Seams.</i>								
<i>Drains Inad/Misposn, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Roof.</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Lower Roof</i>								
Interior								
Floors								
Cast in Place Concrete	44%			LIFE	**	5	\$14,200	
Ceramic Tile	9%			2039	**	5	\$1,300	
Wood	47%	Now	\$22,900	2054	**	5	\$6,500	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : 2nd And 3rd Floor</i>								
Interior Walls								
Ceramic Tile	10%			2035	**	5	\$2,000	
Gypsum Board	35%			LIFE	**	5	\$4,300	
Masonry: Brick	55%	4+	\$8,700	LIFE	**			
<i>Efflorescence, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 3rd Floor Men's Locker Room.</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement.</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 282/LADDER CO. 148
Asset # : 13168

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

Acous Tile Susp. Lay-In	10%			2043	**	5	\$1,500	
Exposed Struc: Steel	20%			LIFE	**			
Gypsum Board	25%			LIFE	**	5	\$4,600	
Plaster	45%			LIFE	**	5	\$4,200	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2046	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 400 Amperes</i>								

Switchgear / Switchboard

Fused Disc Sw	100%			2046	**	5	\$100	
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Raceway

Conduit	100%			2046	**	1		
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Panelboards

Fused Disc Sw	30%			2034	**	5	\$100	
Molded Case Bkrs	70%			2042	**	5	\$300	

Wiring

Thermoplastic	100%			2046	**	1		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$200	
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Lighting

Interior Lighting

Fluorescent	75%			2026	\$27,900	10	\$9,500	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								

Fluorescent	25%			2031	**	10	\$3,200	
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T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%
Location : Basement And First Floor

Egress Lighting

Exit, LED	100%			2041	**	1		
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Exterior Lighting

HID	100%			2031	**	10		
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Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 282/LADDER CO. 148

Asset # : 13168

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2046	**	1		
Conversion Equipment								
Furnace	50%			2031	**	1	\$3,400	
Hot Water Boiler	50%			2039	**	1	\$3,400	
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$3,800	
<i>Needs Cleaning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Hot Wtr Piping/Pump	50%	Now	\$500	2042	**	4	\$300	
<i>Leak Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Radiator Valves</i>								
Terminal Devices								
Convactor/Radiator	100%			2039	**	1	\$4,400	
Air Conditioning								
Energy Source								
Electricity	100%			2042	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	100%	Now	\$8,100	2031	**	2	\$700	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Ongoing Control Problems</i>								
Distribution								
Ductwork/Diffusers	75%	Now	\$12,900	LIFE	**	2	\$13,400	
<i>Needs Cleaning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Ductwork/Diffusers	25%			LIFE	**	2	\$4,500	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$7,700	
Exhaust Fans								
Roof	40%			2026	\$8,500	2	\$200	
Roof	60%			2031	**	2	\$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		
Water Heater								
Gas Fired	100%	Now	\$800	2024	\$7,800	2	\$200	
<i>Malfunctioning, Extent : Light, Area Affected : 100%</i>								
<i>Location : Circulating Pump Seized</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 100 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 282/LADDER CO. 148
Asset # : 13168

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Non-Submersible	100%			2031	**	4	\$400
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : Duplex Unit With Alarm</i>				
	Backflow Preventer							
	Generic	100%			2031	**	1	\$800
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	Generic	100%			2024	\$1,900	1-3	\$3,700

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 283
Address : 885 HOWARD AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.283 / 13169 **Yr Built/Renovated** : 1974 /
Area Sq Ft : 11,898 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3580 **Lot** : 20 **BIN** : 3081953

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$664,200	
Interior Architecture	\$40,900	\$48,600
Electrical		\$149,200
Total	\$705,100	\$197,700
Importance Code A	\$664,200	
Importance Code B	\$40,900	\$197,700
Total	\$705,100	\$197,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$17,800			\$1,800
Interior Architecture	\$35,900	\$1,800	\$700	
Electrical	\$10,300	\$2,600	\$1,500	\$1,100
Mechanical	\$7,900	\$5,800	\$2,200	\$10,200
Total	\$71,900	\$10,300	\$4,500	\$13,200
Importance Code A	\$18,400	\$600	\$600	\$2,600
Importance Code B	\$41,300	\$9,000	\$3,900	\$10,600
Importance Code C	\$12,200	\$700		
Total	\$71,900	\$10,300	\$4,500	\$13,200



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 283
Asset # : 13169

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%	0-2	\$104,700	LIFE	**	5	\$17,400	
<i>Vegetation Growth, Extent : Severe, Area Affected : 50%</i>								
<i>Location : South, East And North Facades.</i>								
Metal/Glass Curt Wall	10%	Now	\$393,300	LIFE	**	5	\$4,700	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Kitchen, Workout Room</i>								
<i>Deformed/Dented, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Kitchen, Workout Room</i>								
<i>Glazing Broken/Cracked, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Kitchen, Workout Room</i>								
Wood Overhead Doors	20%	Now	\$62,700	2040	**	5	\$12,400	
<i>Split/Cracked, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Entry Facade</i>								
Windows								
Aluminum	100%	Now	\$56,100	2052	**	5	\$700	
<i>Bent/Warped Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Parapets								
Concrete Masonry Unit	70%			LIFE	**	5	\$2,500	
Metal Panel	30%			2047	**	5	\$3,700	

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 283
Asset # : 13169

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Asphalt Shingle	5%	Now	\$3,500	2042	**			1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Lower Roof - Rear Yard</i>								
Metal Panel	5%	0-2	\$3,400	2040	**			
<i>Deteriorated Finish, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Side Yard</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Side Yard</i>								
Single Ply Membrane	80%	Now	\$10,900	2032	**			
<i>Blisters, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Main And Lower Roofs</i>								
<i>Patching Evident, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Lower Roof</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations, Upper/ Lower Roofs</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Lower Roof @ Drains</i>								
Sloped Glazing	10%	Now	\$47,500	LIFE	**	5	\$27,100	
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Glazing Clouded, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : North Facade And Above Gymnasium</i>								
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	**	5	\$25,000	
<i>Paint Peeling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2030	**	5	\$1,000	
Quarry Tile	5%			2040	**	5	\$1,400	
Vinyl Tile	30%			2027	\$48,600	3	\$2,100	
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	5%			2040	**	5	\$1,300	
Concrete Masonry Unit	42%	4+	\$12,200	LIFE	**	5	\$4,400	
<i>Vertical Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Corridor</i>								
Gypsum Board	8%			LIFE	**	5	\$1,300	
Plaster	10%			LIFE	**	5	\$800	
SGFT/Glazed Masonry	25%			LIFE	**			

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 283
Asset # : 13169

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileConcealSpLn	10%	4+	\$3,000	2032	**	5	\$1,200	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								
AcousTileSusp.Lay-In	55%	Now	\$40,900	2040	**	5	\$5,100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Exposed Concrete	35%	Now	\$20,700	LIFE	**	5	\$1,000	
<i>Paint Peeling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Apparatus Room At Doors</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2027	\$4,800	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Rated @ 350 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2027	\$48,800	5	\$300	
Raceway								
Conduit	90%			2027	\$28,200	1		
Conduit	10%			2047	**	1		
Panelboards								
Molded Case Bkrs	90%			2026	\$34,600	5	\$300	
Molded Case Bkrs	10%			2043	**	5		
Wiring								
Thermoplastic	90%			2027	\$24,900	1		
Thermoplastic	10%			2047	**	1		
Motor Controllers								
Locally Mounted	100%			2025	\$14,400	5	\$100	
Ground								
Grounding Devices								
Generic	100%	2-4	\$9,500	LIFE	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded</i>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2025	\$4,800	1	\$3,700	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 283
Asset # : 13169

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Generators								
Diesel	100%			2023	\$65,700	1	\$4,600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : No Available Nameplate Rating Capacity</i>								
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$400	
Fuel Storage								
Day Tank	50%			2026	\$400	5	\$1,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : 10 Gallons Rated Capacity</i>								
Underground Storage	50%			LIFE	**	5	\$400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Underground</i>								
<i>Explanation : No Available Nameplate Rating Capacity</i>								
Lighting								
Interior Lighting								
LED	100%			2035	**			
Egress Lighting								
Emergency, Service	100%			2035	**	1		
Exterior Lighting								
HID	20%			2035	**	10		
No Component	80%							
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2044	**	1	\$5,900	
Distribution								
Hot Wtr Piping/Pump	100%			2035	**	4	\$900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : There Is Only 1 Thermostat In The Building</i>								
Terminal Devices								
Convactor/Radiator	75%			2032	**	1	\$2,900	
Unit Heater - Steam	25%			2027	\$9,900	4	\$400	
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 283
Asset # : 13169

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Exterior Pkg Unit - Cooling	40%	Now	\$1,800	2032	**	2	\$200
<i>Not in Service, Extent : Severe, Area Affected : 10%</i> <i>Location : 1 Unit, Roof</i> <i>Other Observation, Extent : Light, Area Affected : 40%</i> <i>Location : Roof</i> <i>Explanation : 3 Units. R-410a</i>								
	Window/Wall Unit	20%			2020	\$4,600	1	
	No Component	40%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,600
Exhaust Fans								
	Roof	80%			2027	\$14,800	2	\$300
	Wall Unit	20%			2027	\$800	2	\$100
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2037	**	1	
Water Heater								
	Gas Fired	100%			2022	\$6,800	2	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Basement</i> <i>Explanation : 2 - 75 Gallon Units</i>								
Sanitary Piping								
	Cast Iron	100%	Now	\$4,100	LIFE	**	1	
<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i> <i>Location : Water Backup In Basement</i>								
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Fixtures								
	Generic	100%						
Fire Suppression								
Sprinkler								
	No Component	90%						
	Generic	10%			2027	\$10,900	1-2	\$300
Chemical System								
	Generic	100%			2022	\$1,900	1-3	\$4,000

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 284/LADDER CO. 149
Address : 1157 79th STREET BTWN 11TH AVE - 12TH AVE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.284 / 13170 **Yr Built/Renovated** : 1913 / 1999
Area Sq Ft : 10,350 **Project Type** : FIRE DEPARTMENT
Date of Survey : 21-Nov-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 6254 **Lot** : 53 **BIN** : 3161800

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$207,500	
Electrical		\$120,500
Mechanical		\$41,400
Site Enclosure	\$55,700	
Total	\$263,200	\$162,000
Importance Code A	\$207,500	
Importance Code B		\$162,000
Importance Code C	\$55,700	
Total	\$263,200	\$162,000

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$26,200			
Interior Architecture	\$129,900		\$1,900	\$1,600
Electrical	\$19,600			\$100
Mechanical	\$24,900	\$1,400	\$1,800	\$1,400
Total	\$200,500	\$1,400	\$3,700	\$3,200
Importance Code A	\$27,200	\$1,000	\$1,000	\$1,000
Importance Code B	\$97,700	\$400	\$1,500	\$2,200
Importance Code C	\$75,600		\$1,200	
Total	\$200,500	\$1,400	\$3,700	\$3,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 284/LADDER CO. 149
Asset # : 13170

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$138,200	LIFE	**	5	\$22,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	5%			LIFE	**	5	\$2,200	
Masonry: Limestone	5%			LIFE	**	5	\$2,200	
Wood Overhead Doors	10%			2033	**	5	\$14,300	
Windows								
Aluminum	100%	Now	\$14,500	2044	**	5	\$1,700	
<i>Air Infiltration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Second Floor</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor</i>								
Parapets								
Cast Stone/Terra Cotta	20%	Now	\$8,500	LIFE	**	5	\$5,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Third Floor</i>								
Stucco Cement	80%	Now	\$69,300	2048	**	5	\$3,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Roof								
Asphalt Shingle	10%	Now	\$1,000	2031	**			
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : 3rd Floor</i>								
Not Accessible	90%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : High Hatch</i>								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$38,300	
Ceramic Tile	10%			2037	**	5	\$1,800	
Quarry Tile	5%			2041	**	5	\$1,300	
Vinyl Tile	35%	Now	\$15,600	2038	**	3	\$2,300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 284/LADDER CO. 149
Asset # : 13170

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	5%	Now	\$33,200	2043	**	5	\$600	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
Ceramic Tile	10%			2031	**	5	\$2,400	
Masonry: Brick	35%	0-2	\$32,800	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Plaster	50%	Now	\$9,600	LIFE	**	5	\$3,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : First And Second Floors</i>								
Ceilings								
AcousTileSusp.Lay-In	35%	Now	\$5,000	2041	**	5	\$3,100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 3rd Floor</i>								
Exposed Struc: Steel	30%			LIFE	**	10	\$10,500	
Plaster	35%	Now	\$4,000	LIFE	**	5	\$3,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : First Floor</i>								
Site Enclosure								
Free Standing Walls								
Masonry: Brick	100%	Now	\$55,700	2038	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : In Front of Building</i>								
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2033	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Both Sides Of Building</i>								
<i>Explanation : Two Walkways</i>								
Parking/Driveway								
Cast in Place Concrete	100%			2041	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2028	\$4,800	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room Basement</i>								
<i>Explanation : One 200 Amperes Main Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2028	\$48,800	5	\$300	
Raceway								
Conduit	100%			2028	\$31,300	1		

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 284/LADDER CO. 149
Asset # : 13170

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Fused Disc Sw	5%			2027	\$1,900	5		
Molded Case Bkrs	85%			2027	\$32,700	5	\$200	
Molded Case Bkrs	10%			2044	**	5		
Wiring								
Braided Cloth	70%	Now	\$19,400	2053	**	1		
<i>Insulation Aged, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	20%			2028	\$5,500	1		
Thermoplastic	10%			2048	**	1		
Motor Controllers								
Locally Mounted	100%			2026	\$14,400	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$300	
Lighting								
Interior Lighting								
Fluorescent	30%			2036	**	10	\$2,800	
LED	70%			2036	**			
Exterior Lighting								
HID	100%			2023	\$39,000	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2054	**	1		
Conversion Equipment								
Furnace	5%			2028	\$1,100	1	\$300	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Gymnasium</i>								
<i>Explanation : 1 Modine Gas Fire Unit</i>								
Steam Boiler	95%			2041	**	1	\$9,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
Steam Piping/Pump	95%			2038	**			
No Component	5%							
Terminal Devices								
Convactor/Radiator	80%			2026	\$41,400	1	\$2,700	
Fan Coil Unit/Heat	15%			2028	\$21,700	1	\$500	
No Component	5%							

Air Conditioning

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FIRE DEPARTMENT - 057
ENGINE CO. 284/LADDER CO. 149

Asset # : 13170

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Energy Source								
Electricity	100%			2036	**	1		
Conversion Equipment								
Split Unit	10%			2023	\$20,700			
<i>R-22 Refrigerant, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2 Units, Roof</i>								
Window/Wall Unit	50%			2023	\$10,100	1		
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	10%	Now	\$11,000	2038	**	1	\$300	
<i>Broken, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 3rd Floor Ceiling</i>								
No Component	90%							
Heat Rejection								
Evaporative Condenser	10%			2023	\$1,800	2	\$700	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	40%			LIFE	**	2-5	\$3,700	
No Component	60%							
Exhaust Fans								
Interior	20%			2023	\$6,900	2	\$100	
Roof	20%			2028	\$3,200	2	\$100	
Wall Unit	10%			2028	\$300	2		
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	80%			2038	**	1		
Galvanized Steel	20%	Now	\$400	2026	\$8,500	1		
<i>Corroded, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Water Main And Connecting Piping, Basement</i>								
Water Heater								
Gas Fired	100%			2026	\$5,900	2	\$200	
Sanitary Piping								
Cast Iron	100%	0-2	\$7,100	LIFE	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Storm Drain Piping								
Cast Iron	100%	Now	\$2,000	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor, Floor Drain</i>								
<i>Corroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 284/LADDER CO. 149
Asset # : 13170

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sump Pump(s) Non-Submersible	100%	Now	\$1,500	2038	**	4	\$200
<i>Not in Service, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fixtures								
	Generic	100%						
<i>Obsolete Fixtures, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Kitchen</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 285/LADDER CO. 142
Address : 103-17 98th STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.285 / 13171 **Yr Built/Renovated** : 1913 /
Area Sq Ft : 10,112 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-Jun-2015 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 9121 **Lot** : 11 **BIN** : 4438526

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$58,600
Interior Architecture	\$214,600	
Electrical		\$38,500
Mechanical		\$35,200
Total	\$214,600	\$132,300
Importance Code A		\$58,600
Importance Code B	\$155,500	\$73,700
Importance Code C	\$59,100	
Total	\$214,600	\$132,300

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$34,200			
Interior Architecture	\$86,000		\$1,300	\$900
Electrical	\$10,800	\$500	\$9,500	\$400
Mechanical	\$45,300	\$1,600	\$9,900	\$1,400
Total	\$176,300	\$2,100	\$20,700	\$2,700
Importance Code A	\$35,200	\$1,000	\$1,000	\$1,000
Importance Code B	\$108,000	\$1,100	\$19,700	\$1,700
Importance Code C	\$33,000			
Total	\$176,300	\$2,100	\$20,700	\$2,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 285/LADDER CO. 142

Asset # : 13171

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	10%	Now	\$8,900	LIFE	**	5	\$21,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Window Sills On Various Floors</i>								
Masonry: Brick	70%			LIFE	**	5	\$19,200	
Masonry: Limestone	5%			LIFE	**	5	\$1,000	
Metal Sect. OHD	15%			2039	**	5	\$12,900	
Windows								
Aluminum	100%	Now	\$11,500	2034	**	5	\$300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Light, Area Affected : 2%</i>								
<i>Location : 2nd Floor, Rear Wall.</i>								
Parapets								
Masonry: Brick	90%			LIFE	**	5	\$900	
Metal Panel	10%	Now	\$1,500	2046	**	5	\$200	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 65%</i>								
<i>Location : Various Locations Around Roof</i>								
Roof								
Metal, Corrugated	5%			2031	**	1		
Modified Bitumen	95%	Now	\$5,900	2026	\$58,600			
<i>Recent Replace Evident, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Over 3rd Floor Gymnasium</i>								
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 285/LADDER CO. 142
Asset # : 13171

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior Floors								
Cast in Place Concrete	30%	Now	\$23,600	LIFE	**	5	\$9,900	
<i>Drains Clogged, Extent : Light, Area Affected : 2%</i> <i>Location : Apparatus Floor.</i> <i>Horizontal Cracks, Extent : Moderate, Area Affected : 20%</i> <i>Location : Apparatus Floor.</i> <i>Water Penetration, Extent : Light, Area Affected : 10%</i> <i>Location : Basement</i> <i>Other Observation, Extent : Severe, Area Affected : 50%</i> <i>Location : Apparatus Room Floor</i> <i>Explanation : Depressions. Temporary Support In Place.</i>								
Ceramic Tile	6%	Now	\$10,500	2041	**	5	\$500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i> <i>Location : All Bathroom Floors</i> <i>Other Observation, Extent : Moderate, Area Affected : 100%</i> <i>Location : All Bathroom Floors</i> <i>Explanation : Need Replacement</i>								
Quarry Tile	5%	Now	\$10,900	2039	**	5	\$600	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i> <i>Location : Kitchen</i>								
Vinyl Tile	50%	Now	\$64,200	2036	**	3	\$2,800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 15%</i> <i>Location : Various Locations</i> <i>Uneven Substrate, Extent : Severe, Area Affected : 2%</i> <i>Location : 3rd Floor Gymnasium</i> <i>Other Observation, Extent : Moderate, Area Affected : 100%</i> <i>Location : 2nd And 3rd Floors</i> <i>Explanation : Tiles Are Old And Worn</i>								
Wood	9%			2061	**	5	\$2,600	

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 285/LADDER CO. 142
Asset # : 13171

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	5%	Now	\$21,100	2041	**	5	\$400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : All Bathroom Floors</i>								
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : All Bathroom Floors</i>								
Masonry: Brick	10%	0-2	\$3,000	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor.</i>								
Masonry: Brick	10%	Now	\$5,900	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Plaster	50%	0-2	\$3,100	LIFE	**	5	\$2,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Various Locations</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Various Locations</i>								
SGFT/Glazed Masonry	25%	Now	\$59,100	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Apparatus Floor</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 285/LADDER CO. 142

Asset # : 13171

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	5%	Now	\$1,300	2046	**	5	\$400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
Exposed Concrete	30%	Now	\$91,300	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement.</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement.</i>								
<i>Spalling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded Steel Structure; Shoring Members Help Support Steel Structure Below Apparatus Floor.</i>								
Plaster	65%	Now	\$6,700	LIFE	**	5	\$6,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : First And Third Floors</i>								
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Third Floor</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2046	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 400 Amperes Service</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2046	**	5	\$300	
Raceway								
Conduit	15%			2046	**	1		
Conduit	85%			2026	\$26,600	1		
Panelboards								
Molded Case Bkrs	100%			2025	\$38,500	5	\$300	
Wiring								
Thermoplastic	100%			2036	**	1		
Motor Controllers								
Locally Mounted	20%			2031	**	5		
No Component	80%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 285/LADDER CO. 142
Asset # : 13171

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2039	**	1	\$3,100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : For Portable Generator.</i>						
Lighting								
Interior Lighting								
Fluorescent	90%			2031	**	10	\$8,300	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
Fluorescent	9%			2026	\$2,500	10	\$800	
		<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
Incandescent	1%			2021	\$600	2		
		<i>Obsolete Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Tv Room</i>						
Exterior Lighting								
HID	50%			2026	\$19,100	10		
No Component	50%							
Alarm								
Fire/Smoke Detection								
No Component	90%							
Generic, Analog	10%	4+	\$10,500	2036	**	1-3	\$600	
		<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2052	**	1		
Conversion Equipment								
Steam Boiler	100%			2043	**	1	\$10,000	
Distribution								
Central Plant Steam Piping/Pmp	100%			2036	**	4	\$700	
		<i>Insul. Deteriorating, Extent : Light, Area Affected : 50%</i>						
		<i>Location : Basement</i>						

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FIRE DEPARTMENT - 057
ENGINE CO. 285/LADDER CO. 142
Asset # : 13171

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Terminal Devices								
Convactor/Radiator	80%	4+	\$16,200	2043	**	1	\$2,300	
<i>Corroded, Extent : Light, Area Affected : 30%</i>								
<i>Location : 2nd And 3rd Floors</i>								
Unit Heater - Steam	20%			2026	\$6,800	4	\$200	
<i>Abandoned in Place, Extent : Light, Area Affected : 40%</i>								
<i>Location : 1st Floor And 3rd Floor</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2042	**	1		
Conversion Equipment								
Window/Wall Unit	75%			2024	\$14,800	1		
No Component	25%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,600	
Exhaust Fans								
Interior	10%	Now	\$3,400	2036	**	2		
<i>Abandoned in Place, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 1st Floor General Exhaust</i>								
Interior	40%			2026	\$13,500	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen Hood</i>								
<i>Explanation : No System</i>								
Roof	50%			2021	\$7,800	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	50%			2026	\$35,200	1		
Galvanized Steel	50%	Now	\$12,400	2043	**	1		
<i>Leak Evident, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd And 3rd Floor Bathrooms</i>								
Water Heater								
Gas Fired	100%			2024	\$5,800	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%	Now	\$11,800	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Roof Drain, 1st Floor Drain</i>								
<i>Corroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Sump Pump(s)								
Submersible	100%			2019	\$300	4	\$300	

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FIRE DEPARTMENT - 057
ENGINE CO. 285/LADDER CO. 142
Asset # : 13171

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component	% of	Fail Date	Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost	Priority
	Type	Total	(Years)		FY		(Yrs)		
Plumbing									
	Fixtures								
	Generic	100%							

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 286/LADDER CO. 135
Address : 66-44 MYRTLE AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.286 / 13172 **Yr Built/Renovated** : 1913 /
Area Sq Ft : 8,772 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 3700 **Lot** : 21 **BIN** : 4090228

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$42,800
Interior Architecture	\$136,900	\$72,400
Total	\$136,900	\$115,300
Importance Code A		\$42,800
Importance Code B	\$136,900	\$72,400
Total	\$136,900	\$115,300

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$40,900			\$10,500
Interior Architecture	\$62,800	\$600	\$1,600	\$1,100
Electrical	\$16,400	\$100		\$34,300
Mechanical	\$43,500	\$8,000	\$2,000	\$21,200
Total	\$163,500	\$8,700	\$3,600	\$67,000
Importance Code A	\$47,900	\$900	\$900	\$11,300
Importance Code B	\$92,500	\$7,900	\$1,100	\$55,700
Importance Code C	\$23,200		\$1,600	
Total	\$163,500	\$8,700	\$3,600	\$67,000



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FIRE DEPARTMENT - 057
ENGINE CO. 286/LADDER CO. 135
Asset # : 13172

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	73%			LIFE	**	5	\$20,400	
Masonry: Granite	2%	4+	\$1,300	LIFE	**	5	\$400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : At Overhead Door Entrances</i>								
Masonry: Limestone	10%	4+	\$6,100	LIFE	**	5	\$2,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Jambs At Overhead Doors</i>								
Wood Overhead Doors	15%			2032	**	5	\$20,900	
Windows								
Aluminum	100%	Now	\$29,200	2052	**	5	\$300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 15%</i>								
<i>Location : At Rear Kitchen Window</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 85%</i>								
<i>Location : Myrtle Avenue Windows, Women Restroom, Apparatus Floor, Rear Elevation At 2nd And 3rd Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Thermally Inefficient</i>								
Parapets								
Masonry: Brick	90%			LIFE	**	5	\$900	
Masonry: Limestone	10%			LIFE	**	5	\$100	
Roof								
Built-Up (BUR)	95%	4+	\$4,300	2027			\$42,800	
<i>Blisters, Extent : Light, Area Affected : 15%</i>								
<i>Location : Main Roof</i>								
<i>Split/Cracked, Extent : Severe, Area Affected : 33%</i>								
<i>Location : Overlap Joints Are Failing</i>								
<i>Water Penetration, Extent : Light, Area Affected : 15%</i>								
<i>Location : Main Roof</i>								
Skylight, Metal/Glass	5%			2047	**	10	\$1,600	

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 286/LADDER CO. 135
Asset # : 13172

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	25%	Now	\$34,100	LIFE	**	5	\$7,200	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations In The Cellar</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Slab Is Currently Shored With Temporary Columns To Carry Truck Load, Repair/ Replacement Is Required</i>								
Ceramic Tile	5%	2-4	\$300	2030	**	5	\$300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Kitchen</i>								
Quarry Tile	5%	4+	\$400	2032	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 4%</i>								
<i>Location : 1st Floor Toilet, Kitchen</i>								
Vinyl Tile	65%	2-4	\$36,200	2027	\$72,400	3	\$3,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 3rd And 2nd Floor</i>								
Interior Walls								
Ceramic Tile	25%			2036	**	5	\$3,300	
Masonry: Brick	25%	4+	\$12,700	LIFE	**			
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Near Myrtle Avenue Elevation In Cellar</i>								
<i>Water Penetration, Extent : Light, Area Affected : 15%</i>								
<i>Location : In Cellar On Myrtle Avenue Side Of Building</i>								
Plaster	50%	Now	\$10,500	LIFE	**	5	\$2,000	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Cellar Stairs, 2nd Floor And 3rd Floor</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Third Floor, Cellar Stairs</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 3rd Floor Facing Myrtle Avenue, Cellar Hatch, East And West Walls</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 286/LADDER CO. 135
Asset # : 13172

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

AcousTileSusp.Lay-In	10%			2040	**	5	\$1,300	
Exposed Concrete	25%	Now	\$100,600	LIFE	**	5	\$500	

Water Penetration, Extent : Moderate, Area Affected : 33%

Location : Cellar Vaults At Myrtle Avenue Facade

Other Observation, Extent : Moderate, Area Affected : 33%

Location : Basement

Explanation : Concrete Ceiling Is Temporarily Shored With Steel Columns To Carry Truck Load, Future Replacement/ Repair Is Required.

Gypsum Board	5%			LIFE	**	5	\$800	
Plaster	60%	4+	\$4,900	LIFE	**	5	\$4,700	

Paint Peeling, Extent : Light, Area Affected : 10%

Location : Throughout

Punct/Tear/Impact Damage, Extent : Light, Area Affected : 1%

Location : Cellar Stair

Staining/Discoloring, Extent : Moderate, Area Affected : 35%

Location : 1st Floor And 2nd Floor

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%	0-2	\$4,800	2057	**	5	\$100	
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Enclosure Corroded, Extent : Severe, Area Affected : 50%

Location : Basement

Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : Rating Not Visible

Raceway

Conduit	100%			2037	**	1		
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Panelboards

Molded Case Bkrs	50%			2035	**	5	\$100	
Molded Case Bkrs	50%	0-2	\$11,500	2052	**	5	\$100	

Enclosure Corroded, Extent : Moderate, Area Affected : 100%

Location : Basement

Wiring

Thermoplastic	100%			2037	**	1		
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Motor Controllers

Locally Mounted	50%			2032	**	5		
Locally Mounted	50%			2044	**	5		

Recent Replace Evident, Extent : Light, Area Affected : 100%

Location : At Overhead Garage Doors

Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 286/LADDER CO. 135
Asset # : 13172

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	90%			2022	\$21,400	10	\$7,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	10%			2022	\$5,600	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd And 3rd Floors</i>								
<i>Explanation : Incandescent Lamps Observed</i>								
Egress Lighting Exit, Battery	25%			2027	\$800	10	\$100	
No Component	75%							
Exterior Lighting HID	100%			2032	**	10		
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Natural Gas	100%			2037	**	1		
Conversion Equipment Steam Boiler	5%	4+	\$1,300	2032	**	1	\$400	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Cellar Mechanical Room</i>								
<i>Explanation : Chimney Clean Out Door Rusted At Hinges.</i>								
Steam Boiler	95%			2032	**	1	\$8,300	
Distribution Central Plant Steam Piping/Pmp	20%			2047	**	4	\$100	
Central Plant Steam Piping/Pmp	80%			2037	**	4	\$300	
Terminal Devices Convactor/Radiator	80%			2040	**	1	\$2,300	
Convactor/Radiator	10%	Now	\$1,300	2040	**	1	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 1st And 2nd Floors</i>								
<i>Explanation : Broken Radiator Covers And Missing Valves</i>								
Unit Heater - Steam	10%			2032	**	4	\$100	
Air Conditioning								
Energy Source Electricity	100%			2043	**	1		
Conversion Equipment Split Unit	10%			2022	\$17,500			
Window/Wall Unit	40%			2020	\$6,800	1		
No Component	50%							

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FIRE DEPARTMENT - 057
ENGINE CO. 286/LADDER CO. 135
Asset # : 13172

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2	\$1,100	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Ductwork Feeding Kitchen From Split Unit</i>								
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	40%			LIFE	**	2-5	\$2,000	
Ductwork/Diffusers	10%	0-2	\$4,500	LIFE	**	2-5	\$500	
<i>Dented, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Gooseneck In Backyard</i>								
No Component	50%							
Exhaust Fans								
Interior	100%	0-2	\$29,200	2037	**	2	\$200	
<i>Obsolete Equipment, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Bathrooms</i>								
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2032	**	1		
Water Heater								
Gas Fired	50%			2022		2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : 75 Gallon Heater</i>								
Gas Fired	50%	Now	\$2,500	2027	\$2,500	2	\$100	
<i>Abandoned in Place, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	80%			LIFE	**	1		
Cast Iron	20%	0-2	\$3,400	LIFE	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Basement</i>								
Sump Pump(s)								
Not Accessible	100%							
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	10%			2025	\$200	1-3	\$500	
No Component	90%							

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 287/LADDER CO. 136
Address : 86-53 GRAND AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.287 / 13173 **Yr Built/Renovated** : 1913 /
Area Sq Ft : 8,800 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2477 **Lot** : 26 **BIN** : 4057367

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$226,700	
Total	\$226,700	
Importance Code A	\$226,700	
Total	\$226,700	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$125,200			\$6,600
Interior Architecture	\$71,300	\$1,800	\$500	\$500
Electrical	\$600	\$1,500	\$2,300	\$5,100
Mechanical	\$1,900	\$1,800	\$5,700	\$1,600
Total	\$199,000	\$5,100	\$8,500	\$13,800
Importance Code A	\$125,700	\$400	\$400	\$7,200
Importance Code B	\$17,700	\$3,500	\$8,000	\$6,600
Importance Code C	\$55,600	\$1,200		
Total	\$199,000	\$5,100	\$8,500	\$13,800



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 287/LADDER CO. 136

Asset # : 13173

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Copper/Terne	3%	4+	\$22,600	2062	**			
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Cornice At Front Of Building</i>								
Masonry: Brick	70%	Now	\$167,200	LIFE	**	5	\$18,500	1
<i>Vertical Cracks, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Exterior Wall Of Kitchen And Side Yard Due To Adjacent Construction</i>								
Masonry: Granite	2%			LIFE	**	5	\$400	
Masonry: Limestone	10%			LIFE	**	5	\$2,000	
Stucco Cement	10%			2032	**	5	\$6,600	
Wood Overhead Doors	5%			2032	**	5	\$6,600	
Windows								
Aluminum	100%	0-2	\$34,600	2043	**	5	\$1,400	
<i>Air Infiltration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Side Yard Windows Are Out Of Plumb In Masonry Opening</i>								
Parapets								
Cast Stone/Terra Cotta	15%	Now	\$34,600	LIFE	**	5	\$3,500	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Cast Stone Copings At Parapet</i>								
Masonry: Brick	85%	Now	\$59,500	LIFE	**	5	\$2,600	1
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Throughout Parapets</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Rear Perimeter Of Building</i>								
Roof								
Modified Bitumen	97%	Now	\$33,400	2032	**			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout Main Roof</i>								
<i>Explanation : Water Penetration Reported Previously Results From Open And Missing Mortar Joint In Brick Parapets</i>								
Skylight, Metal/Glass	3%			2037	**	10	\$1,200	
Interior								
Floors								
Carpet	10%			2026	\$16,200	3	\$1,900	
Cast in Place Concrete	45%			LIFE	**	5	\$12,500	
Ceramic Tile	10%	2-4	\$4,900	2030	**	5	\$600	
<i>Loose Units, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Tile Grout Joints Failing</i>								
Quarry Tile	5%			2032	**	5	\$1,000	
Vinyl Tile	30%			2027	\$32,400	3	\$1,400	

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FIRE DEPARTMENT - 057
ENGINE CO. 287/LADDER CO. 136
Asset # : 13173

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	15%			2030	**	5	\$2,400	
Ceramic Tile	25%	Now	\$27,400	2036	**	5	\$2,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Various Locations In Apparatus Room</i>								
Gypsum Board	30%	Now	\$400	LIFE	**	5	\$2,900	
<i>Water Penetration, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Second Floor Office At Windows</i>								
Masonry: Brick	15%	Now	\$27,800	LIFE	**			
<i>Vertical Cracks, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
Plaster	15%			LIFE	**	5	\$700	
Ceilings								
AcousTileSusp.Lay-In	35%	Now	\$10,800	2040	**	5	\$2,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Kitchen And Second Floor Perimeter</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Kitchen And Second Floor Perimeter</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Kitchen And Second Floor Perimeter</i>								
Exposed Struc: Steel	30%			LIFE	**			
Plaster	35%			LIFE	**	5	\$2,800	
Site Pavements								
Parking/Driveway								
Cast in Place Concrete	100%			2032	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2037	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 600 Amperes</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2037	**	5		
Raceway								
Conduit	100%			2037	**	1		
Panelboards								
Molded Case Bkrs	100%			2035	**	5	\$200	
Wiring								
Thermoplastic	100%			2037	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 287/LADDER CO. 136

Asset # : 13173

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2032	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2040	**	1	\$2,700	
Generators								
Diesel	100%			2036	**	1	\$3,400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 64 Kw</i>						
Batteries								
Lead/Acid	100%			2021	\$1,500	5	\$300	
Fuel Storage								
Day Tank	100%			2035	**	5	\$1,600	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 60 Gallons</i>						
Lighting								
Interior Lighting								
Fluorescent	100%			2027	\$23,800	10	\$8,100	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
Egress Lighting								
Emergency, Service	100%			2022	\$4,300	1		
Exterior Lighting								
HID	50%			2027	\$16,600	10		
No Component	50%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Furnace	50%			2032	**	1	\$2,200	
		<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Rooftop</i>						
Hot Water Boiler	50%			2032	**	1	\$2,200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 5 Boilers Piped Together</i>						

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FIRE DEPARTMENT - 057
ENGINE CO. 287/LADDER CO. 136
Asset # : 13173

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$2,500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Hot Wtr Piping/Pump	50%			2043	**	4	\$300	
Terminal Devices								
Air Handler	50%			2032	**	1	\$2,700	
Convactor/Radiator	40%			2040	**	1	\$1,100	
Unit Heater - Steam	10%			2032	**	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	90%			2035	**	2	\$500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rooftop</i>								
Window/Wall Unit	10%			2025	\$1,700	1		
Distribution								
Ductwork/Diffusers	90%			LIFE	**	2	\$10,300	
No Component	10%							
Terminal Devices								
Air Handler/Cool/Ht	100%			2032	**	1	\$5,400	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,900	
Exhaust Fans								
Interior	50%			2032	**	2	\$100	
Roof	50%			2032	**	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2047	**	1		
Water Heater								
Electric	100%			2025	\$7,200	4	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 120 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2021	\$300	4	\$200	
Sewage Ejector(s)								
Electric	100%			2032	**	4	\$500	
Fixtures								
Generic	100%							

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FIRE DEPARTMENT - 057
ENGINE CO. 287/LADDER CO. 136
Asset # : 13173

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression								
Sprinkler								
	No Component	25%						
	Generic	75%			2047	* *	1-2	\$1,800
Chemical System								
	Wet	5%			2025	\$100	1-3	\$200
	No Component	95%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 289/LADDER CO. 138
Address : 97-28 43rd AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.289 / 13175 **Yr Built/Renovated** : 1913 / 2002
Area Sq Ft : 7,990 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Apr-2016 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 1628 **Lot** : 18 **BIN** : 4040712

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$178,500	
Electrical		\$8,400
Total	\$178,500	\$8,400
Importance Code A	\$178,500	
Importance Code B		\$8,400
Total	\$178,500	\$8,400

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$34,500	\$2,800	\$100	\$10,900
Interior Architecture	\$65,900		\$1,100	\$1,100
Electrical	\$1,200	\$100	\$100	\$9,900
Mechanical	\$1,100	\$1,400	\$1,400	\$9,500
Site Pavements	\$9,300			
Total	\$111,900	\$4,400	\$2,700	\$31,400
Importance Code A	\$35,200	\$3,600	\$900	\$11,700
Importance Code B	\$48,000	\$800	\$1,400	\$19,700
Importance Code C	\$28,700		\$400	
Total	\$111,900	\$4,400	\$2,700	\$31,400



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FIRE DEPARTMENT - 057
ENGINE CO. 289/LADDER CO. 138

Asset # : 13175

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%	2-4	\$178,500	LIFE	**	5	\$18,100	
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Side Elevation - Alley Side, 1st To 3rd Floor</i>								
Masonry: Granite	3%			LIFE	**	5	\$600	
Masonry: Limestone	20%	2-4	\$30,800	LIFE	**	5	\$3,900	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 2%</i>								
<i>Location : Front Elevation</i>								
Metal Sect. OHD	7%			2040	**	5	\$5,700	
Windows								
Aluminum	100%			2049	**	5	\$1,700	
Parapets								
Copper/Terne	2%			2071	**	5	\$300	
Masonry: Brick	88%			LIFE	**	5	\$2,300	
Masonry: Granite	10%			LIFE	**	5	\$300	
Roof								
Copper/Terne	3%	0-2	\$2,900	2042	**			
<i>Drains Clogged, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 3rd Floor At Base Of Copper Roofs</i>								
Modified Bitumen	85%			2032	**	10	\$10,900	
<i>Ponding, Extent : Light, Area Affected : 5%</i>								
<i>Location : Low Roof</i>								
Slate	12%			LIFE	**			
Interior								
Floors								
Cast in Place Concrete	38%			LIFE	**	5	\$11,000	
Ceramic Tile	10%			2036	**	5	\$1,300	
Quarry Tile	3%			2032	**	5	\$600	
Terrazzo	2%			LIFE	**	5	\$200	
Vinyl Tile	47%	2-4	\$23,100	2037	**	3	\$2,300	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2036	**	5	\$900	
Masonry: Brick	25%	0-2	\$18,200	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement Wall Near Sidewalk Hatch - Replace Hatch</i>								
Plaster	70%	Now	\$10,500	LIFE	**	5	\$3,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Third Floor, Third Floor Roof Access</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Stairwell, 3rd Floor Roof Access</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 289/LADDER CO. 138
Asset # : 13175

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	5%	Now	\$1,800	2040	**	5	\$300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Engine Office, Restroom Next To Engine Office</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Engine Office, Restroom Next To Engine Office, Rear Sitting Room</i>								
Exposed Concrete	10%			LIFE	**	5	\$200	
Exposed Struc: Steel	20%			LIFE	**			
Plaster	65%	Now	\$12,300	LIFE	**	5	\$5,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Second And Third Floor Restrooms</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Third Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Second And Third Floor Restrooms And Engine Office</i>								
Site Enclosure								
Fence/Gates								
Chain link	100%			2047	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	\$9,300	2047	**			
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Sidewalk Hatch Leaking Into Basement</i>								
<i>Explanation : Leaking Hatch</i>								
Parking/Driveway								
Cast in Place Concrete	100%			2040	**			
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	50%			2047	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Service Area</i>								
<i>Explanation : Main Fused Disconnect Switch 3 Phase, 200 Amperes In Main Switchboard</i>								
Fused Disc Sw	50%			2037	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Service Area</i>								
<i>Explanation : Main Fused Disconnect Switch 3 Phase, 200 Amperes In Main Switchboard</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2037	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Service Area</i>								
<i>Explanation : Showing Wear Due To Regular Usage</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 289/LADDER CO. 138
Asset # : 13175

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	100%			2037	**	1		
Panelboards								
Molded Case Bkrs	20%			2026	\$8,400	5		
			<i>Aged Component, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st Floor Main Area</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st Floor Main Area</i>					
			<i>Explanation : Trim Is Missing.</i>					
Molded Case Bkrs	80%			2035	**	5	\$200	
Wiring								
Thermoplastic	25%			2027	\$7,600	1		
Thermoplastic	75%			2037	**	1		
Motor Controllers								
Locally Mounted	100%			2032	**	5	\$100	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st Floor</i>					
			<i>Explanation : Roll- Up Gate</i>					
Lighting								
Interior Lighting								
Fluorescent	70%			2027	\$16,600	10	\$5,100	
			<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement, 1st, 2nd And 3rd Floors</i>					
Fluorescent	20%			2027	\$4,700	10	\$1,500	
			<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement, 1st, 2nd And 3rd Floors</i>					
Fluorescent	5%	Now	\$1,200	2037	**			
			<i>Not in Service, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>T-8 Lamps And Fixtures, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Other Observation, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : 3rd Floor</i>					
			<i>Explanation : Broken Lens And Bad Ballast</i>					
Incandescent	5%			2022	\$2,800	2		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st Floor Lounge Room</i>					
			<i>Explanation : All Controlled By Local Dimmers.</i>					
Exterior Lighting								
HID	75%			2027	\$24,700	10		
Incandescent	25%			2022	\$7,000	2		
Alarm								

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FIRE DEPARTMENT - 057
ENGINE CO. 289/LADDER CO. 138
Asset # : 13175

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Fire/Smoke Detection

No Component

95%

Generic, Analog

5%

2027

\$4,500

1-3

\$200

*Local/Battery Operated Detect, Extent : Light, Area Affected : 100%**Location : 2nd Floor Bunkroom And Corridor*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2047

* *

1

Conversion Equipment

Furnace

5%

2027

\$1,000

1

\$200

*Other Observation, Extent : Light, Area Affected : 100%**Location : 1st Floor**Explanation : Heating / Cooling Unit Serves Members Room*

Steam Boiler

95%

2040

* *

1

\$7,500

Distribution

Ductwork/Diffusers

5%

LIFE

* *

2-5

\$200

*Other Observation, Extent : Light, Area Affected : 100%**Location : 1st Floor**Explanation : Members Room*

Central Plant Steam

95%

2037

* *

4

\$400

Piping/Pmp

Terminal Devices

Convactor/Radiator

90%

2032

* *

1

\$2,300

Unit Heater - Steam

10%

2032

* *

4

\$100

*Other Observation, Extent : Light, Area Affected : 10%**Location : 1st Floor**Explanation : Apparatus Floor*

Air Conditioning

Energy Source

Electricity

100%

2043

* *

1

Conversion Equipment

Split Unit

5%

2032

* *

Window/Wall Unit

50%

2022

\$8,500

1

No Component

45%

Distribution

Ductwork/Diffusers

5%

LIFE

* *

2

\$500

*Other Observation, Extent : Light, Area Affected : 100%**Location : 1st Floor**Explanation : Members Room*

No Component

95%

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 289/LADDER CO. 138
Asset # : 13175

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Terminal Devices								
Air Handler/Dir Expansion	5%			2027	\$2,500	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Members Room</i>								
No Component	95%							
Ventilation								
Distribution								
Ductwork/Diffusers	5%			LIFE	**	2-5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Kitchen Exhaust Only</i>								
No Component	95%							
Exhaust Fans								
Roof	5%			2027	\$700	2		
<i>Abandoned in Place, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1 Wall Fan On Roof</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Serves Kitchen Exhaust</i>								
No Component	95%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2047	**	1		
Water Heater								
Gas Fired	100%			2025	\$5,000	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2020	\$300	4	\$300	
Backflow Preventer								
No Component	95%							
Generic	5%			2032	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Boiler Only</i>								
Fixtures								
Generic	100%							
Fire Suppression								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 289/LADDER CO. 138
Asset # : 13175

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression								
Chemical System								
	Wet	5%			2025	\$100	1-3	\$200
	No Component	95%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 290/LADDER CO. 103
Address : 480 SHEFFIELD AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.290 / 13176 **Yr Built/Renovated** : 1913 /
Area Sq Ft : 8,689 **Project Type** : FIRE DEPARTMENT
Date of Survey : 11-Apr-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3804 **Lot** : 43 **BIN** : 3084622

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$91,900	
Interior Architecture		\$43,400
Electrical	\$38,500	
Mechanical		\$144,800
Total	\$130,400	\$188,200
Importance Code A	\$91,900	
Importance Code B	\$38,500	\$188,200
Total	\$130,400	\$188,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$20,800		\$2,500	\$2,200
Interior Architecture	\$36,500		\$1,600	\$1,000
Electrical	\$26,500		\$14,400	\$100
Mechanical	\$5,800	\$1,300	\$10,900	\$1,300
Total	\$89,600	\$1,300	\$29,400	\$4,700
Importance Code A	\$21,600	\$800	\$3,300	\$3,000
Importance Code B	\$62,600	\$600	\$25,600	\$1,700
Importance Code C	\$5,500		\$500	
Total	\$89,600	\$1,300	\$29,400	\$4,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 290/LADDER CO. 103

Asset # : 13176

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	2%			2043	**	10	\$200	
Cast Stone/Terra Cotta	3%			LIFE	**	5	\$7,600	
Concrete Masonry Unit	5%			LIFE	**	5	\$1,000	
Masonry: Brick	83%	4+	\$40,700	LIFE	**	5	\$27,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Hose Tower At Roof</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Hose Tower And Throughout</i>								
Masonry: Granite	2%			LIFE	**	5	\$500	
Metal Sect. OHD	5%			2036	**	5	\$5,100	
Windows								
Aluminum	100%			2039	**	5	\$2,400	
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$1,300	LIFE	**	5	\$1,600	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : At Southeast Corner</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Copper/Terne	45%			2067	**	5	\$4,400	
Masonry: Brick	35%	0-2	\$8,200	LIFE	**	5	\$700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Metal Panel	10%			2043	**	5	\$800	
Roof								
Asphalt Shingle	10%			2036	**	10	\$200	
Modified Bitumen	5%			2019		10	\$700	
Roll Roofing	85%	2-4	\$5,100	2019	\$51,200	5	\$10,400	
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Main Roof, Hose Tower</i>								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$16,000	
Ceramic Tile	5%			2032	**	5	\$700	
Quarry Tile	10%			2036	**	5	\$2,200	
Vinyl Tile	35%	4+	\$900	2028	\$43,400	3	\$1,900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : 2nd Floor Near Laundry Area</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 290/LADDER CO. 103
Asset # : 13176

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	5%			2036	**	5	\$1,000	
Masonry: Brick	30%			LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 3%</i>								
<i>Location : Column At Cellar Boiler Room</i>								
Plaster	35%	Now	\$5,500	LIFE	**	5	\$2,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
SGFT/Glazed Masonry	30%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	5%	2-4	\$1,700	2028	\$5,700	5	\$400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1st And 2nd Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st And 2nd Floor</i>								
Exposed Concrete	20%			LIFE	**	5	\$400	
Exposed Struc: Steel	35%	4+	\$20,900	LIFE	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Missing Fireproofing At Steel Beam In Cellar Boiler Room</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Cellar At Front</i>								
Plaster	40%	0-2	\$7,500	LIFE	**	5	\$3,600	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Bathroom</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Office</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2023	\$4,800	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 350 Amp</i>								
Raceway								
Conduit	100%			2023	\$31,300	1		
Panelboards								
Molded Case Bkrs	100%			2022	\$38,500	5	\$200	
Wiring								
Thermoplastic	100%			2023	\$27,700	1		

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Estimates are rounded to the nearest hundred dollars.
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FIRE DEPARTMENT - 057
ENGINE CO. 290/LADDER CO. 103
Asset # : 13176

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2021	\$14,400	5	\$100	
Ground								
Grounding Devices								
Generic	100%	Now	\$9,500	LIFE		**	5	\$100
		<i>Other Observation, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Basement Water Main Service</i>						
		<i>Explanation : Ground Wire Disconnected</i>						
Lighting								
Interior Lighting								
Fluorescent	55%			2028	\$12,900	10	\$4,400	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
Fluorescent	25%	Now	\$5,900	2033		**		
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Other Observation, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Burnt Out</i>						
Incandescent	20%			2019	\$11,100	2		
Exterior Lighting								
Fluorescent	30%			2023	\$8,300	10	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Side Yard</i>						
		<i>Explanation : Downlights, Controlled Via Switch</i>						
HID	70%			2023	\$22,900	10		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Facade And Side Yard</i>						
		<i>Explanation : Wall Mounted And Floodlights, Controlled Via Time Clock</i>						

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2043		**	1	
Conversion Equipment								
Hot Water Boiler	20%			2040		**	1	\$900
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Located In Front Of Members Room</i>						
Steam Boiler	80%			2036		**	1	\$6,900
Distribution								
Hot Wtr Piping/Pump	20%			2045		**	4	\$100
Central Plant Steam Piping/Pmp	80%			2023	\$110,000	4	\$500	

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FIRE DEPARTMENT - 057
ENGINE CO. 290/LADDER CO. 103
Asset # : 13176

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Terminal Devices								
Convactor/Radiator	80%			2028	\$34,800	1	\$2,300	
Convactor/Radiator	20%			2040	**	1	\$600	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	30%			2031	**	2	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 410 A Refrigerant</i>						
Exterior Pkg Unit - Cooling	30%			2031	**	2	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : 4 Split Units / 410 A Refrigerant</i>						
Window/Wall Unit	20%			2019	\$3,400	1		
No Component	20%							
Distribution								
Ductwork/Diffusers	30%			LIFE	**	2	\$3,400	
No Component	70%							
Heat Rejection								
Dry Cooler	30%			2031	**	2	\$1,800	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : 4 Split Units</i>						
No Component	70%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,800	
Exhaust Fans								
Roof	50%			2023	\$6,700	2	\$100	
Wall Unit	50%			2023	\$1,400	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2033	**	1		
Water Heater								
Gas Fired	100%	Now	\$100	2021	\$5,000	2	\$100	
		<i>Other Observation, Extent : Severe, Area Affected : 2%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Chimney Cleanout Cover Broken</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 290/LADDER CO. 103
Asset # : 13176

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sump Pump(s)							
	Submersible	100%			2019	\$300	4	\$300
	Backflow Preventer							
	No Component	95%						
	Generic	5%			2023	\$100	1	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Serves Boiler Only</i>						
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	Wet	100%			2021	\$2,100	1-3	\$4,200
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : Serves Cooking Area</i>						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 291/LADDER CO. 140
Address : 56-07 METROPOLITAN AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.291 / 13177 **Yr Built/Renovated** : 1913 /
Area Sq Ft : 8,592 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2646 **Lot** : 18 **BIN** : 4440960

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$323,700	
Interior Architecture	\$327,700	
Mechanical	\$120,000	\$59,900
Total	\$771,400	\$59,900
Importance Code A	\$375,700	
Importance Code B	\$334,400	\$59,900
Importance Code C	\$61,300	
Total	\$771,400	\$59,900

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$43,000			
Interior Architecture	\$82,000	\$500		\$300
Electrical	\$1,300	\$100		\$29,700
Mechanical	\$30,500	\$1,500	\$1,200	\$12,900
Total	\$156,800	\$2,200	\$1,200	\$42,900
Importance Code A	\$43,000	\$900	\$900	\$900
Importance Code B	\$98,300	\$1,300	\$400	\$42,000
Importance Code C	\$15,500			
Total	\$156,800	\$2,200	\$1,200	\$42,900



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 291/LADDER CO. 140
Asset # : 13177

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	8%	Now	\$31,600	LIFE	**	5	\$17,500	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Facade</i>								
Copper/Terne	2%	Now	\$79,700	2077	**			
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Copper Fascia, Metropolitan Avenue</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Copper Fascia</i>								
Masonry: Brick	80%	0-2	\$201,900	LIFE	**	5	\$22,300	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Rear Elevation Lintels</i>								
<i>Diagonal Cracks, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Rear Elevation, 1st, 2nd And 3rd Floor</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Metropolitan Avenue And East Elevation</i>								
Masonry: Granite	5%	2-4	\$3,400	LIFE	**	5	\$1,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Door Jambs</i>								
Wood Overhead Doors	5%	0-2	\$2,200	2032	**	5	\$3,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Glass Window Panes</i>								
Windows								
Aluminum	100%	Now	\$5,800	2035	**	5	\$300	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor Windows</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 3rd Floor Rear - Lower Sash Out Of Frame, One Unit</i>								
Parapets								
Cast Stone/Terra Cotta	30%			LIFE	**	5	\$2,400	
Masonry: Brick	70%			LIFE	**	5	\$700	
Roof								
Built-Up (BUR)	90%	Now	\$42,000	2037	**			1
<i>Alligatoring, Extent : Severe, Area Affected : 60%</i>								
<i>Location : 2nd And 3rd Floor Roof</i>								
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Multiple Locations, 2nd And 3rd Floor Roof</i>								
<i>Ponding, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd And 3rd Floor Roof Area</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout 2nd And 3rd Floor Roof</i>								
Modified Bitumen	10%			2035	**	10	\$1,000	

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 291/LADDER CO. 140
Asset # : 13177

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior Floors								
Cast in Place Concrete	45%	0-2	\$60,100	LIFE	**	5	\$12,700	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus</i>								
<i>Explanation : Steel Columns Shoring Up Apparatus Room Floor From Basement Repair/ Replacemnt Required</i>								
Ceramic Tile	8%	0-2	\$1,000	2036	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Quarry Tile	5%			2040	**	5	\$1,000	
Terrazzo	4%	Now	\$23,900	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Stair Landing</i>								
Vinyl Tile	20%	Now	\$21,800	2037	**	3	\$1,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Throughout 2nd Floor</i>								
Wood	18%	Now	\$76,200	2067	**	5	\$2,200	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 3rd Floor</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 3rd Floor</i>								
<i>Explanation : Exposed Fibrous Substrate</i>								
Interior Walls								
Ceramic Tile	30%	Now	\$5,400	2030	**	5	\$1,600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Room</i>								
<i>Explanation : Historic Tiles In Need Of Restoration, Cleaning</i>								
Masonry: Brick	30%	Now	\$61,300	LIFE	**			
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Hose Tower</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Throughout Basement, Hose Tower</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Rear Cellar</i>								
Plaster	40%	Now	\$10,100	LIFE	**	5	\$1,300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : below Hose Tower</i>								
<i>Diagonal Cracks, Extent : Severe, Area Affected : 33%</i>								
<i>Location : East Wall</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 70%</i>								
<i>Location : 2nd Floor Rear Wall</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : East Stair Wall All Floors, Kitchen, 2nd Floor Windows</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 291/LADDER CO. 140
Asset # : 13177

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Interior									
Ceilings									
AcousTileSusp.Lay-In	45%	0-2	\$19,800	2040	**	5	\$2,400		
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Kitchen</i>									
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>									
<i>Location : Kitchen</i>									
Exposed Concrete	25%	0-2	\$87,300	LIFE	**	5	\$400		
<i>Paint Peeling, Extent : Moderate, Area Affected : 75%</i>									
<i>Location : Cellar</i>									
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Cellar</i>									
<i>Explanation : Ceiling Is Temporarily Shored With Steel Columns To Support Truck Loads</i>									
Plaster	30%	Now	\$42,800	LIFE	**	5	\$2,000		
<i>Paint Peeling, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Hose Tower, 2nd Floor Locker Room And 2nd Floor Bathroom</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : 2nd Floor Washer/ Dryer Area, 3rd Floor Gymnasium</i>									
<i>Worn/Eroded, Extent : Severe, Area Affected : 60%</i>									
<i>Location : Stair To 3rd Floor, Hose Tower And 2nd Floor Locker Room</i>									
Site Enclosure									
Fence/Gates									
Chain link	100%			2047	**				
Site Pavements									
On-Site Walkways									
Cast in Place Concrete	100%			2040	**				
Parking/Driveway									
Cast in Place Concrete	100%			2040	**				

Electrical		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Under 600 Volts									
Service Equipment									
Fused Disc Sw	100%			2037	**	5			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
<i>Explanation : 200 Amp</i>									
Raceway									
Conduit	100%			2037	**	1			
Panelboards									
Molded Case Bkrs	100%			2035	**	5	\$200		
Wiring									
Thermoplastic	100%			2037	**	1			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 291/LADDER CO. 140
Asset # : 13177

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2032	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Motor Controllers For 2 Overhead Doors</i>								
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								
Interior Lighting								
Fluorescent	95%			2022	\$22,100	10	\$7,500	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	5%			2027	\$2,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Incandescent Lamps In Use</i>								
Exterior Lighting								
HID	100%			2027	\$32,400	10		
Alarm								
Fire/Smoke Detection								
No Component	95%							
Generic, Analog	5%	Now	\$1,300	2027	\$4,400	1-3	\$200	
<i>Devices Missing, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd Floor</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	20%			2047	**	1		
Natural Gas	80%	Now	\$800	2057	**	1		
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : All Piping Extremely Corroded From Apparatus Floor Leak.</i>								
Conversion Equipment								
Steam Boiler	100%	Now	\$52,000	2047	**	1	\$7,700	
<i>Corroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Damaged, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 291/LADDER CO. 140
Asset # : 13177

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Heating								
Distribution								
	Central Plant Steam Piping/Pmp	100%	Now	\$68,000	2037	* *	4	\$400
<i>Corroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Piping Around Boiler</i>								
Terminal Devices								
	Convactor/Radiator	100%			2032	* *	1	\$2,800
Air Conditioning								
Energy Source								
	Electricity	100%			2043	* *	1	
Conversion Equipment								
	Window/Wall Unit	70%			2022	\$11,700	1	
	No Component	30%						
Ventilation								
Exhaust Fans								
	Wall Unit	100%			2027	\$2,900	2	\$300
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2027	\$59,900	1	
Water Heater								
	Gas Fired	100%			2026	\$4,900	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 75 Gallon Unit - Recent Install</i>								
Sanitary Piping								
	Cast Iron	50%			LIFE	* *	1	
	Cast Iron	50%	0-2	\$29,400	LIFE	* *	1	
<i>Corroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Cellar</i>								
Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1	
Sump Pump(s)								
	Submersible	100%			2020	\$300	4	\$300
Backflow Preventer								
	No Component	95%						
	Generic	5%			2032	* *	1	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Cellar Mechanical Room</i>								
<i>Explanation : Boiler Feed</i>								
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System								
	Wet	5%			2025	\$100	1-3	\$200
	No Component	95%						

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 292/RESCUE CO. 4
Address : 64-18 QUEENS BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.292 / 13178 **Yr Built/Renovated** : 1914 / 1999
Area Sq Ft : 7,657 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-May-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2325 **Lot** : 37 **BIN** : 4053652

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$66,800	
Total	\$66,800	
Importance Code A	\$66,800	
Total	\$66,800	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$31,700			\$11,700
Interior Architecture	\$17,000	\$1,500	\$100	\$1,100
Electrical	\$16,900	\$100		\$3,200
Mechanical	\$1,100	\$8,500	\$1,200	\$1,000
Total	\$66,700	\$10,100	\$1,300	\$17,100
Importance Code A	\$34,900	\$800	\$800	\$12,500
Importance Code B	\$25,000	\$8,500	\$600	\$4,600
Importance Code C	\$6,800	\$900		
Total	\$66,700	\$10,100	\$1,300	\$17,100



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 292/RESCUE CO. 4
Asset # : 13178

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2037	**	10	\$400	
Masonry: Brick	78%	Now	\$66,800	LIFE	**	5	\$22,200	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Side Elevations</i>								
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout, Except Front Facade</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Sides And Rear</i>								
Masonry: Granite	2%			LIFE	**	5	\$400	
Masonry: Limestone	5%			LIFE	**	5	\$1,100	
Metal Sect. OHD	10%			2032	**	5	\$8,900	
Windows								
Aluminum	100%	Now	\$26,100	2052	**	5	\$1,600	
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Weather Strip Missing, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Seals/ Gaskets At Windows Broken</i>								
Parapets								
Cast Stone/Terra Cotta	25%			LIFE	**	5	\$5,300	
Masonry: Brick	75%			LIFE	**	5	\$2,100	
Roof								
Modified Bitumen	80%			2032	**	10	\$7,300	
Roll Roofing	15%	Now	\$5,600	2029	**	5	\$1,100	
<i>Split/Cracked, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Leaks Evident To 3rd Floor</i>								
Skylight, Metal/Glass	5%			2047	**	10	\$1,500	
Interior								
Floors								
Cast in Place Concrete	80%			LIFE	**	5	\$22,200	
Ceramic Tile	10%			2030	**	5	\$1,300	
Quarry Tile	5%			2032	**	5	\$1,000	
Vinyl Tile	5%			2027	\$5,400	3	\$200	
Interior Walls								
Ceramic Tile	10%			2030	**	5	\$1,700	
Gypsum Board	30%			LIFE	**	5	\$3,100	
Masonry: Brick	20%	Now	\$6,800	LIFE	**			
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement At Front And East Wall</i>								
SGFT/Glazed Masonry	40%			LIFE	**			

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 292/RESCUE CO. 4
Asset # : 13178

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	10%			2032	**	5	\$1,300	
Exposed Concrete	25%	Now	\$10,200	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Gypsum Board	10%			LIFE	**	5	\$1,600	
Plaster	55%			LIFE	**	5	\$4,400	
Site Enclosure								
Fence/Gates								
Chain link	100%			2037	**			
Site Pavements								
Parking/Driveway								
Cast in Place Concrete	100%			2040	**			
Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%	2-4	\$2,400	2037	**	5		
<i>Enclosure Corroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Front</i>								
<i>Explanation : 200 Amp</i>								
Raceway								
Conduit	100%			2037	**	1		
Panelboards								
Molded Case Bkrs	100%			2035	**	5	\$200	
Wiring								
Thermoplastic	100%			2037	**	1		
Motor Controllers								
Locally Mounted	100%			2032	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Boiler Room And 1st Floor</i>								
<i>Explanation : Controls For Heating System And 2 Overhead Doors</i>								
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								

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FIRE DEPARTMENT - 057
ENGINE CO. 292/RESCUE CO. 4
Asset # : 13178

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	45%			2032	**	10	\$3,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
Incandescent	5%			2027	\$2,500	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Television Room</i>								
<i>Explanation : Incandescent Lamps Observed</i>								
LED	50%			2032	**			
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd Floor And Gymnasium</i>								
Egress Lighting Exit, Service	50%			2027	\$400	1		
No Component	50%							
Exterior Lighting								
HID	100%	4+	\$14,400	2027	\$28,900			
<i>Sensor/Timer Malfunction, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Exterior</i>								
Alarm								
Fire/Smoke Detection No Component	95%							
Generic, Analog	5%			2027	\$4,000	1-3	\$200	
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2047	**	1		
Conversion Equipment Steam Boiler	100%			2040	**	1	\$7,600	
Distribution Central Plant Steam Piping/Pmp	100%			2053	**	4	\$400	
<i>Recent Replace Evident, Extent : Light, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
Terminal Devices Convactor/Radiator	100%			2040	**	1	\$2,500	
Air Conditioning								
Energy Source Electricity	100%			2043	**	1		

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 292/RESCUE CO. 4
Asset # : 13178

Mechanical		Current Repair		Future Replacement		Maintenance		Priority	
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning									
	Conversion Equipment								
	Split Unit	30%			2035	**			
		<i>Recent Installation, Extent : Light, Area Affected : 20%</i>							
		<i>Location : 3rd Floor</i>							
	Window/Wall Unit	50%			2020	\$7,500	1		
	No Component	20%							
Ventilation									
	Exhaust Fans								
	Wall Unit	20%			2027	\$500	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
		<i>Location : 1st Floor</i>							
		<i>Explanation : Wall Fan For Apparatus Floor</i>							
	No Component	80%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2037	**	1		
		<i>No Water Meter, Extent : Light, Area Affected : 100%</i>							
		<i>Location : Basement</i>							
	Water Heater								
	Gas Fired	100%			2025	\$4,400	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
		<i>Location : Basement</i>							
		<i>Explanation : Two 75 Gallon Units</i>							
	Sanitary Piping								
	Cast Iron	100%			LIFE	**	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1		
	Sump Pump(s)								
	Non-Submersible	100%			2027	\$1,100	4	\$200	
	Backflow Preventer								
	No Component	95%							
	Generic	5%			2035	**	1		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
		<i>Location : Basement</i>							
		<i>Explanation : Serves Boiler Only</i>							
	Fixtures								
	Generic	100%							

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 293
Address : 89-40 87th STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.293 / 13179 **Yr Built/Renovated** : 1915 / 2006
Area Sq Ft : 4,225 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-May-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 8968 **Lot** : 25 **BIN** : 4185536

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$125,500	\$37,900
Electrical		\$38,500
Total	\$125,500	\$76,400
Importance Code A	\$125,500	\$37,900
Importance Code B		\$38,500
Total	\$125,500	\$76,400

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$72,300	\$500		\$7,600
Interior Architecture	\$75,300	\$200	\$1,800	\$300
Electrical	\$10,900		\$100	\$21,600
Mechanical	\$6,200	\$500	\$700	\$6,100
Site Enclosure				
Total	\$164,600	\$1,400	\$2,500	\$35,600
Importance Code A	\$77,500	\$1,000	\$400	\$8,100
Importance Code B	\$65,100	\$400	\$500	\$27,600
Importance Code C	\$22,000		\$1,600	
Total	\$164,600	\$1,400	\$2,500	\$35,600



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FIRE DEPARTMENT - 057
ENGINE CO. 293
Asset # : 13179

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$125,500	LIFE	**	5	\$13,900	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : West Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 35%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : North Facade</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 30%</i>								
<i>Location : West And South Facades</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : North And East Facades</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 65%</i>								
<i>Location : East And North Facades</i>								
<i>Explanation : Safety Net Installed</i>								
Masonry: Limestone	10%	Now	\$21,600	LIFE	**	5	\$1,500	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : East Facade</i>								
Metal Panel	5%	Now	\$2,100	2037	**	5	\$1,900	1
<i>Deformed/Dented, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Hose Tower</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Hose Tower</i>								
<i>Seams Open/Split, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Hose Tower</i>								
Wood Overhead Doors	15%			2032	**	5	\$14,900	
Windows								
Aluminum	100%			2035	**	5	\$1,100	

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 293
Asset # : 13179

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Parapets								
Cast Stone/Terra Cotta	5%	Now	\$1,300	LIFE	**	5	\$800	
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Coping</i>								
<i>Open Joints, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Coping</i>								
Masonry: Brick	25%	Now	\$5,800	LIFE	**	5	\$500	
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Interior Face</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Interior Face</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Interior Face</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Interior Face</i>								
<i>Explanation : Stucco On Brick, Stucco Has Completely Peeled Away From Brick</i>								
Masonry: Brick	60%	Now	\$20,900	LIFE	**	5	\$1,200	1
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 50%</i>								
<i>Location : West And South Facades</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : North And East Facades</i>								
<i>Explanation : Safety Net Installed</i>								
Masonry: Limestone	5%	4+	\$5,300	LIFE	**	5	\$100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Mian Roof</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Main Roof</i>								
Metal Panel	5%			2047	**	5	\$400	
Roof								
Modified Bitumen	100%	Now	\$15,200	2027	\$37,900			1
<i>Alligatoring, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Lower Roof</i>								
<i>Miss/Damaged Flashings, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Various Locations Along Parapet</i>								

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 293
Asset # : 13179

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$32,800	LIFE	**	5	\$6,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Room</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Explanation : Apparatus Room Floor Is Shored Up By Several Steel I Beams And Lally Columns</i>								
Ceramic Tile	5%			2036	**	5	\$300	
Quarry Tile	5%			2040	**	5	\$500	
Vinyl Tile	40%	4+	\$400	2027	\$21,500	3	\$900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor Locker Area</i>								
Interior Walls								
Ceramic Tile	30%			2036	**	5	\$3,300	
Masonry: Brick	25%	Now	\$21,200	LIFE	**			
<i>Spalling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Plaster	35%			LIFE	**	5	\$1,100	
Plaster	10%	Now	\$900	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Second Floor Locker Room And Office</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Second Floor Locker Room And Office</i>								
Ceilings								
AcousTileSusp.Lay-In	10%	Now	\$500	2032	**	5	\$300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Kitchen</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Bathroom And Kitchen</i>								
Embossed Metal	60%	Now	\$19,500	LIFE	**	5	\$1,700	
<i>Bent/Warped Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor And Second Floor</i>								
<i>Deformed/Dented, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Apparatus Floor And Second Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Office Over Windows</i>								
Exposed Concrete	30%			LIFE	**	5	\$300	
Site Enclosure								
Fence/Gates								
Chain link	60%			2047	**			
Wood	40%			2025	\$7,200			

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FIRE DEPARTMENT - 057
ENGINE CO. 293
Asset # : 13179

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%			2040	**			
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Parking/Driveway

Cast in Place Concrete	100%			2032	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%	0-2	\$4,800	2057	**	5	\$100	
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*Suspect Water Damage, Extent : Moderate, Area Affected : 100%**Location : Basement**Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : Main Service Switch Rated @ 400 Amperes*

Raceway

Conduit	90%			2027	\$28,200	1		
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Conduit	10%			2037	**	1		
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Panelboards

Molded Case Bkrs	100%			2026	\$38,500	5	\$100	
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Wiring

Thermoplastic	50%			2027	\$13,800	1		
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Thermoplastic	50%			2037	**	1		
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Motor Controllers

Locally Mounted	100%			2025	\$14,400	5		
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Ground

Grounding Devices

Generic	100%	0-2	\$1,000	LIFE	**	5	\$100	
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Basement**Explanation : Ground Wire Connection To Water Pipe Is Corroded.*

Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 293
Asset # : 13179

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	75%			2022	\$8,600	10	\$2,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-12 Lamps</i>								
Fluorescent	5%			2022	\$600	10	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	15%	Now	\$1,700	2037		**		
<i>Not in Service, Extent : Severe, Area Affected : 100%</i>								
<i>Location : First And Second Floor</i>								
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : First And Second Floor</i>								
Incandescent	5%			2022	\$1,400	2		
Exterior Lighting								
Fluorescent	20%	Now	\$2,700	2037		**		
<i>Not in Service, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Back Patio</i>								
HID	50%			2022	\$8,000	10		
HID	30%			2027	\$4,800	10		
Alarm								
Fire/Smoke Detection								
No Component	95%							
Generic, Digital	5%	Now	\$700	2032		**	1-3	\$100
<i>Devices Missing, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout Building</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout Building</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%	0-2	\$100	2047		**	1	
<i>Corroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Basement</i>								
Conversion Equipment Steam Boiler	100%			2040		**	1	\$4,200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 293
Asset # : 13179

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
Distribution								
	Central Plant Steam Piping/Pmp	100%			2037	**	4	\$200
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : No Insulation And No Dielectric Fittings</i>								
Terminal Devices								
	Convactor/Radiator	90%			2032	**	1	\$1,200
	Unit Heater - Steam	10%			2022	\$1,400	4	
Air Conditioning								
Energy Source								
	Electricity	100%			2035	**	1	
Conversion Equipment								
	Window/Wall Unit	50%			2022	\$4,100	1	
	No Component	50%						
Ventilation								
Exhaust Fans								
	Interior	10%	Now	\$1,400	2037	**	2	
<i>Broken, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Bathrooms</i>								
	Roof	10%	Now	\$700	2037	**	2	
<i>Broken, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Kitchen Hood</i>								
	No Component	80%						
Plumbing								
H/C Water Piping								
	Brass/Copper	90%			2037	**	1	
<i>Antiquated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Water Service From Street</i>								
	Brass/Copper	10%	Now	\$1,500	2037	**	1	
<i>Not in Service, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Womens Bathroom</i>								
Water Heater								
	Gas Fired	100%			2025	\$2,400	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : (1) 75 Gallon Unit</i>								
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%	0-2	\$1,600	LIFE	**	1	
<i>Corroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 293
Asset # : 13179

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sump Pump(s) Non-Submersible	100%	Now	\$400	2037	**	4	\$100
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Explanation : Flooding Condition</i>								
<hr/>								
Fixtures								
	Generic	100%						
<i>Obsolete Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Bathrooms</i>								
<hr/>								

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 294/LADDER CO. 143
Address : 101-02 JAMAICA AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.294 / 13180 **Yr Built/Renovated** : 1913 / 1999
Area Sq Ft : 6,979 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 9286 **Lot** : 6 **BIN** : 4194106

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Interior Architecture	\$164,600	\$35,500
Total	\$164,600	\$35,500
Importance Code B	\$120,800	\$35,500
Importance Code C	\$43,800	
Total	\$164,600	\$35,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$61,200			\$4,100
Interior Architecture	\$57,900	\$400	\$3,900	\$500
Electrical	\$19,100			\$6,700
Mechanical	\$12,700	\$1,200	\$1,200	\$14,600
Total	\$150,800	\$1,700	\$5,200	\$25,900
Importance Code A	\$64,300	\$700	\$700	\$4,800
Importance Code B	\$64,900	\$1,000	\$500	\$21,000
Importance Code C	\$21,600		\$3,900	
Total	\$150,800	\$1,700	\$5,200	\$25,900



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 294/LADDER CO. 143
Asset # : 13180

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	35%	2-4	\$28,000	LIFE	**	5	\$9,300	
<i>Spalling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : East Side Yard</i>								
Masonry: Brick	45%			LIFE	**	5	\$11,900	
Masonry: Granite	5%			LIFE	**	5	\$1,000	
Masonry: Limestone	5%			LIFE	**	5	\$1,000	
Metal Sect. OHD	10%			2032	**	5	\$8,300	
Windows								
Aluminum	85%	0-2	\$15,100	2035	**	5	\$900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Crwt/Balnc Not Funct, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : East Elevation</i>								
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Missing And/ Or Broken Insect Screens</i>								
Wood	15%	Now	\$1,800	2052	**	5	\$1,600	
<i>Crwt/Balnc Not Funct, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor North</i>								
Parapets								
Cast Stone/Terra Cotta	15%			LIFE	**	5	\$3,100	
Masonry: Brick	85%	2-4	\$2,600	LIFE	**	5	\$2,300	
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Parapet Near Roof Hatch</i>								
Roof								
Built-Up (BUR)	100%	0-2	\$13,800	2032	**			
<i>Blisters, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Pitch Pockets At Roof Failed</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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FIRE DEPARTMENT - 057
ENGINE CO. 294/LADDER CO. 143
Asset # : 13180

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	43%	Now	\$28,000	LIFE	**	5	\$9,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout Cellar</i>								
<i>Ponding, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout Cellar</i>								
<i>Uneven Substrate, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Cellar</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Apparatus Floor Temporarily Supported With Columns To Support Trucks, Permanent Repair Is Required</i>								
Ceramic Tile	10%	0-2	\$1,000	2030	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen And Marble Saddle To Kitchen</i>								
Quarry Tile	5%			2040	**	5	\$800	
Vinyl Tile	40%	2-4	\$3,500	2027	\$35,500	3	\$1,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor At Multiple Locations</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor</i>								
Wood	2%	Now	\$300	2067	**	5	\$200	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Stair Treads To Basement Are Wood</i>								
<i>Explanation : Replace With Non-slip Steel Per Original</i>								
Interior Walls								
Ceramic Tile	35%			2036	**	5	\$7,900	
Masonry: Brick	25%	0-2	\$43,800	LIFE	**			
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Cellar Street Front</i>								
Plaster	40%	Now	\$21,600	LIFE	**	5	\$2,700	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Several Locations On The 2nd Floor</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Cellar Stairs</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : 2nd Floor Gymnasium, Locker Room, Office And 2nd Floor Stairs</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 294/LADDER CO. 143
Asset # : 13180

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	40%	0-2	\$3,400	2040	**	5	\$2,100	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Kitchen</i>								
Exposed Concrete	60%	0-2	\$120,800	LIFE	**	5	\$1,000	
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout Cellar</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar Below Apparatus Floor</i>								
<i>Explanation : Temporarily Shored By Steel Columns For Support, Future Repair/Replacement Is Required</i>								
Site Pavements								
Parking/Driveway								
Cast in Place Concrete	100%			2040	**			
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%	4+	\$2,400	2037	**	5	\$100	
<i>Enclosure Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Rating Not Visible</i>								
Raceway								
Conduit	100%			2027	\$31,300	1		
Panelboards								
Molded Case Bkrs	100%	4+	\$3,800	2035	**	5	\$100	
<i>Enclosure Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement And 1st Floor</i>								
Wiring								
Braided Cloth	20%	4+	\$5,500	2052	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Thermoplastic	80%			2037	**	1		
Motor Controllers								
Locally Mounted	100%			2032	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Motor Controllers For 2 Overhead Doors</i>								
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 294/LADDER CO. 143
Asset # : 13180

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	90%			2027	\$17,000	10	\$5,800	
<i>Motion Sensors in Use, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	10%			2022	\$4,500	2		
Egress Lighting								
Emergency, Service	30%			2027	\$1,000	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Service Type Emergency Light Observed</i>								
Exit, Service	40%	Now	\$200	2027	\$300	1		
<i>Not in Service, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
No Component	30%							
Exterior Lighting								
HID	100%	4+	\$5,300	2027	\$26,300			
<i>Outdr Lights On During Daytime, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Red Lights On Front Facade</i>								
Alarm								
Security System No Component Generic	90%							
	10%			2022	\$2,100	1	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Facade</i>								
<i>Explanation : Camera Observed</i>								
Fire/Smoke Detection No Component Generic, Analog	95%							
	5%	Now	\$1,800	2027	\$3,600	1-3	\$200	
<i>Devices Missing, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 65%</i>								
<i>Location : Basement And 2nd Floor</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	40%			2053	**	1		
Natural Gas	60%	0-2	\$500	2057	**	1		
<i>Corroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar Mechanical Room</i>								
Conversion Equipment Steam Boiler	100%			2040	**	1	\$6,900	

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FIRE DEPARTMENT - 057
ENGINE CO. 294/LADDER CO. 143
Asset # : 13180

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Central Plant Steam Piping/Pmp	90%			2047	**	4	\$500	
Central Plant Steam Piping/Pmp	10%	0-2	\$11,000	2057	**	4		
<i>Corroded, Extent : Severe, Area Affected : 100%</i> <i>Location : Cellar Mechanical Room</i>								
Terminal Devices								
Convactor/Radiator	95%			2040	**	1	\$2,100	
Unit Heater - Steam	5%			2032	**	4		
<i>Other Observation, Extent : Light, Area Affected : 5%</i> <i>Location : Apparatus Floor</i> <i>Explanation : 1 Unit Heater</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Window/Wall Unit	100%			2022		1	\$13,600	
Ventilation								
Distribution								
Ductwork/Diffusers	40%			LIFE	**	2-5	\$1,600	
No Component	60%							
Exhaust Fans								
Interior	60%			2027		2	\$13,900	\$100
Roof	40%			2032	**	2		\$100
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2047	**	1		
Water Heater								
Gas Fired	100%			2025		2	\$4,000	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Cellar Mechanical Room</i> <i>Explanation : Two 75 Gallon Heaters</i>								
Sanitary Piping								
Cast Iron	90%			LIFE	**	1		
Cast Iron	10%			LIFE	**	1		
<i>Recent Replace Evident, Extent : Light, Area Affected : 40%</i> <i>Location : Cellar</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 40%</i> <i>Location : Apparatus Floor</i> <i>Explanation : Firefighters Reported Periodic Stoppage Of Floor Drains</i>								
Sump Pump(s)								
Submersible	100%			2020		4	\$200	\$200

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FIRE DEPARTMENT - 057
ENGINE CO. 294/LADDER CO. 143
Asset # : 13180

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Backflow Preventer							
	No Component	95%						
	Generic	5%			2032	**	1	
Fixtures								
	Generic	100%						
Fire Suppression								
	Chemical System							
	Wet	5%			2025	\$100	1-3	\$200
	No Component	95%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 295/LADDER CO. 144
Address : 12-49 149th STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.295 / 13181 **Yr Built/Renovated** : 1913 /
Area Sq Ft : 7,626 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Mar-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 4505 **Lot** : 7 **BIN** : 4102462

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$110,700	\$42,200
Electrical	\$48,800	
Mechanical		\$38,200
Total	\$159,500	\$80,400
Importance Code A	\$110,700	\$42,200
Importance Code B	\$48,800	\$38,200
Total	\$159,500	\$80,400

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$25,000	\$1,400		\$5,300
Interior Architecture	\$86,900		\$500	\$4,600
Electrical	\$28,000			
Mechanical	\$9,600	\$1,000	\$5,600	\$1,000
Site Enclosure	\$13,300			
Total	\$162,800	\$2,400	\$6,100	\$10,900
Importance Code A	\$30,600	\$2,200	\$800	\$6,000
Importance Code B	\$97,900	\$300	\$5,300	\$1,200
Importance Code C	\$34,300			\$3,700
Total	\$162,800	\$2,400	\$6,100	\$10,900



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FIRE DEPARTMENT - 057
ENGINE CO. 295/LADDER CO. 144

Asset # : 13181

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Copper/Terne	3%	Now	\$6,500	2058	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : At Cornice</i>								
Masonry: Brick	70%	Now	\$64,400	LIFE	**	5	\$21,400	1
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : 3rd Floor Rear Wall</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Vertical Cracks, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 3rd Floor Rear Wall And Side Elevations Near Corners</i>								
Masonry: Granite	5%			LIFE	**	5	\$1,100	
Masonry: Limestone	10%			LIFE	**	5	\$2,300	
Wood Overhead Doors	12%	2-4	\$46,300	2043	**	5	\$9,200	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Front Apparatus Bay Doors</i>								
Windows								
Aluminum	95%			2045	**	5	\$2,800	
Aluminum	5%	0-2	\$6,200	2048	**	5	\$100	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Steel Lintels At Rear 3rd Floor</i>								
Parapets								
Cast Stone/Terra Cotta	15%			LIFE	**	5	\$3,000	
Copper/Terne	85%			2067	**	5	\$10,600	
Roof								
Modified Bitumen	73%			2023		10	\$7,300	
Roll Roofing	25%			2019		5	\$4,100	
Skylight, Metal/Glass	2%			2033	**	10	\$700	

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 295/LADDER CO. 144
Asset # : 13181

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	50%	4+	\$26,600	LIFE	**	5	\$14,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Basement</i>								
<i>Explanation : Temporary Steel Beams And Columns Shoring Up Apparatus Room Floor From Basement</i>								
Ceramic Tile	5%			2032	**	5	\$600	
Quarry Tile	5%			2036	**	5	\$1,000	
Steel Plate	2%	Now	\$7,000	LIFE	**	1		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Stair To Basement, Several Loose Treads</i>								
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Stair To Basement</i>								
Vinyl Tile	38%	Now	\$12,400	2031	**	3	\$1,800	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd Floor</i>								
<i>Other Observation, Extent : Light, Area Affected : 75%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : 9 X 9 Tiles</i>								
Interior Walls								
Cast in Place Concrete	25%	Now	\$13,100	LIFE	**			
<i>Spalling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Basement</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Ceramic Tile	45%			2032	**	5	\$7,400	
Plaster	30%	Now	\$7,900	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement Stairs</i>								
<i>Deteriorated Finish, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement Stairs, Locker Room And Lounge On 3rd Floor</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement Stairs</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 295/LADDER CO. 144
Asset # : 13181

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	10%	Now	\$2,100	2040	**	5	\$600	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor Dormitory</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Dormitory</i>								
Exposed Concrete	15%	Now	\$6,200	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Gypsum Board	5%			LIFE	**	5	\$800	
Plaster	70%	Now	\$11,700	LIFE	**	5	\$5,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Locker Room</i>								
<i>Recent Repair Evident, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Locker Room</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor And Roof Hatch</i>								
Site Enclosure								
Fence/Gates								
Chain link	100%	0-2	\$13,300	2049	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Right Side Of Property</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Left Side Of Property</i>								
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2036	**			
Parking/Driveway								
Cast in Place Concrete	100%			2036	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%	0-2	\$4,800	2053	**	5		
<i>Enclosure Corroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement Electrical Service Area</i>								
<i>Liquid Leakage, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement Electrical Service Area</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Service Area</i>								
<i>Explanation : 200 Amperes Fused Disconnect Switch</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 295/LADDER CO. 144
Asset # : 13181

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
	Switchgear / Switchboard							
	Molded Case Bkrs	100%	0-2	\$48,800	2053	**	5	\$100
				<i>Enclosure Corroded, Extent : Moderate, Area Affected : 50%</i>				
				<i>Location : Basement Electrical Service Area</i>				
				<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Basement Electrical Service Area.</i>				
				<i>Explanation : Water Leaking Into Switchgear</i>				
<hr/>								
	Raceway							
	Conduit	25%			2033	**	1	
				<i>Corroded, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Throughout Basement</i>				
	Conduit	75%			2043	**	1	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Throughout The Building</i>				
				<i>Explanation : Normal Usage Condition</i>				
<hr/>								
	Panelboards							
	Molded Case Bkrs	30%	0-2	\$11,500	2048	**	5	
				<i>Enclosure Corroded, Extent : Severe, Area Affected : 10%</i>				
				<i>Location : Basement Electrical Service Area</i>				
				<i>Suspect Water Damage, Extent : Severe, Area Affected : 10%</i>				
				<i>Location : Basement Electrical Service Area</i>				
	Molded Case Bkrs	15%			2045	**	5	
				<i>Recent Installation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : 1st Floor</i>				
	Molded Case Bkrs	15%			2045	**	5	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : 1st Floor</i>				
				<i>Explanation : One Panel Is Inaccessible. No Damages Were Observed.</i>				
	Molded Case Bkrs	15%			2045	**	5	
				<i>Recent Installation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : 2nd Floor Bunkroom</i>				
	Molded Case Bkrs	15%			2031	**	5	
				<i>Aged Component, Extent : Light, Area Affected : 100%</i>				
				<i>Location : 2nd Floor Bunkroom</i>				
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : 2nd Floor Bunkroom</i>				
				<i>Explanation : Trim Is Missing</i>				
	Molded Case Bkrs	10%			2039	**	5	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : 3rd Floor</i>				
				<i>Explanation : Trim Is Missing</i>				
<hr/>								
	Wiring							
	Thermoplastic	100%			2043	**	1	

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FIRE DEPARTMENT - 057
ENGINE CO. 295/LADDER CO. 144
Asset # : 13181

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2028	\$14,400	5	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor - For Roll-up Doors</i>						
		<i>Explanation : Showing Wear Due To Regular Usage</i>						
Ground								
Grounding Devices								
Generic	100%	0-2	\$9,500	LIFE	**	5	\$100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement Electrical Service Area - Water Main</i>						
		<i>Explanation : Signs Of Water Damage</i>						
Stand-by Power								
Batteries								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : 1st Floor - Voice Alarm Communication</i>						
		<i>Explanation : Showing Wear Due To Regular Usage</i>						
Lighting								
Interior Lighting								
Fluorescent	55%			2023	\$11,400	10	\$3,800	
		<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement, 2nd And 3rd Floors</i>						
Fluorescent	5%	0-2	\$1,000	2033	**			
		<i>Inadequate Lighting Level, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
Fluorescent	30%			2023	\$6,200	10	\$2,100	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st And 2nd Floor</i>						
Fluorescent	5%	0-2	\$1,000	2033	**			
		<i>Inadequate Lighting Level, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
Incandescent	5%			2023	\$2,400	2		
		<i>Other Observation, Extent : Light, Area Affected : 1%</i>						
		<i>Location : 3rd Floor Stair Landing</i>						
		<i>Explanation : Box Is Installed, But The Fixture Is Not. The Lamp Is Installed In The Socket And Hanging From The Box By Wires</i>						
Exterior Lighting								
Incandescent	100%			2023	\$24,400	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : Controlled By Local Photocell</i>						

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FIRE DEPARTMENT - 057
ENGINE CO. 295/LADDER CO. 144
Asset # : 13181

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Steam Boiler	100%			2036	**	1	\$7,600	
Distribution								
Central Plant Steam Piping/Pmp	100%			2033	**	4	\$400	
Terminal Devices								
Convactor/Radiator	100%			2028	\$38,200	1	\$2,500	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Window/Wall Unit	50%			2019	\$7,400	1		
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	5%			LIFE	**	2-5	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Kitchen Exhaust</i>						
No Component	95%							
Exhaust Fans								
Roof	5%			2023	\$600	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : Kitchen Exhaust</i>						
Wall Unit	10%			2019	\$300	2		
No Component	85%							
Plumbing								
H/C Water Piping								
Brass/Copper	10%			2043	**	1		
Galvanized Steel	90%	Now	\$600	2028	\$28,200	1		
		<i>Corroded, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Some Equipment Around Meter</i>						
Water Heater								
Gas Fired	100%			2021	\$4,300	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 Units / 74 Gallons</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
		<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 295/LADDER CO. 144
Asset # : 13181

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sump Pump(s) Submersible	100%			2019	\$200	4	\$200
	Backflow Preventer No Component Generic	95% 5%			2031	**	1	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Serves Boiler</i>					
Fixtures								
	Generic	100%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 297/LADDER CO. 130
Address : 119-11 14th ROAD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.297 / 13183 **Yr Built/Renovated** : 1931 / 2012
Area Sq Ft : 5,676 **Project Type** : FIRE DEPARTMENT
Date of Survey : 08-Aug-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 4054 **Lot** : 17 **BIN** : 4098032

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$93,400	\$108,200
Interior Architecture		\$133,200
Electrical		\$48,800
Total	\$93,400	\$290,200
Importance Code A	\$93,400	\$108,200
Importance Code B		\$83,800
Importance Code C		\$98,200
Total	\$93,400	\$290,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$1,500			
Interior Architecture	\$41,300		\$1,800	\$700
Electrical	\$9,800		\$14,400	
Mechanical	\$6,700	\$700	\$4,100	\$700
Site Enclosure	\$1,000			
Site Pavements	\$3,600			
Total	\$63,800	\$700	\$20,400	\$1,500
Importance Code A	\$2,100	\$600	\$600	\$600
Importance Code B	\$58,200	\$200	\$18,000	\$900
Importance Code C	\$3,600		\$1,800	
Total	\$63,800	\$700	\$20,400	\$1,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 297/LADDER CO. 130

Asset # : 13183

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	83%	Now	\$93,400	LIFE	**	5	\$15,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Chimney</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	2%			LIFE	**	5	\$300	
Masonry: Limestone	5%			LIFE	**	5	\$700	
Wood Overhead Doors	10%			2028	\$59,000	5	\$9,300	
Windows								
Aluminum	100%			2048	**	5	\$1,900	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	85%			LIFE	**	5	\$2,300	
Masonry: Limestone	10%			LIFE	**	5	\$300	
Slate	5%	Now	\$1,500	LIFE	**	5	\$100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Coping</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Coping</i>								
Roof								
Modified Bitumen	100%			2023	\$49,200	10	\$8,500	
Interior								
Floors								
Cast in Place Concrete	50%	0-2	\$14,300	LIFE	**	5	\$10,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
<i>Deflection Evident, Extent : Light, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Basement</i>								
<i>Explanation : Steel Beams And Columns Shoring Up Apparatus Room Floor From Basement Below</i>								
Ceramic Tile	5%			2032	**	5	\$500	
Vinyl Tile	45%			2028	\$35,000	3	\$2,100	
<i>Worn/Eroded, Extent : Severe, Area Affected : 35%</i>								
<i>Location : Second Floor Throughout And Kitchen</i>								
Interior Walls								
Cast in Place Concrete	20%			LIFE	**			
Ceramic Tile	30%			2026	\$98,200	5	\$3,600	
Plaster	50%			LIFE	**	5	\$1,800	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 297/LADDER CO. 130
Asset # : 13183

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
Exposed Concrete	30%	Now	\$26,500	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Plaster	70%			LIFE	**	5	\$4,000	
Site Enclosure								
Fence/Gates								
Chain link	100%			2033	**			
Retaining Walls								
Cast in Place Concrete	100%	Now	\$1,000	2067	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2028			\$11,200	
Parking/Driveway								
Cast in Place Concrete	100%	Now	\$3,600	2040	**			
<i>Tripping Hazard, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Driveway In Front Of Doors</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2043	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Switch Rated @ 200 Amperes</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2023	\$48,800	5		
Raceway								
Conduit	50%			2033	**	1		
Conduit	50%			2023	\$15,600	1		

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 297/LADDER CO. 130
Asset # : 13183

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Molded Case Bkrs	80%			2031	**	5	\$100	
Molded Case Bkrs	20%	2-4	\$7,700	2048	**	5		
<i>Enclosure Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Wiring								
Thermoplastic	100%			2033	**	1		
Motor Controllers								
Locally Mounted	100%			2021	\$14,400	5		
Ground								
Grounding Devices								
Metal Water Pipe	100%			2028	\$9,500	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	90%			2023	\$13,800	10	\$4,700	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	5%			2019	\$800	10	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : T-12 Lamps</i>								
Fluorescent	5%			2019	\$800	10	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Toilets</i>								
<i>Explanation : Compact Fluorescent Lamps</i>								
Exterior Lighting								
HID	100%			2023	\$21,400	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Steam Boiler	100%			2036	**	1	\$5,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2033	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2028	\$28,400	1	\$1,800	

Air Conditioning

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FIRE DEPARTMENT - 057
ENGINE CO. 297/LADDER CO. 130
Asset # : 13183

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Energy Source								
	Electricity	100%			2031	**	1	
Conversion Equipment								
	Window/Wall Unit	50%			2019	\$5,500	1	
	No Component	50%						
Ventilation								
Exhaust Fans								
	Roof	10%			2023	\$900	2	
	Wall Unit	20%			2023	\$400	2	
	No Component	70%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2033	**	1	
Water Heater								
	Gas Fired	100%	Now	\$200	2021	\$3,200	2	\$100
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Flue Pipe Disconnected From Chimney, (1) 74 Gallon Unit</i>								
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2019	\$200	4	\$200
Fixtures								
	Generic	100%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 298/LADDER CO. 127 BATTALION 50
Address : 153-11 HILLSIDE AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.298 / 13184 **Yr Built/Renovated** : 1965 / 2007
Area Sq Ft : 7,937 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Mar-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 9706 **Lot** : 66 **BIN** : 4207481

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$117,500	\$67,500
Interior Architecture		\$38,800
Electrical		\$48,800
Total	\$117,500	\$155,000
Importance Code A	\$117,500	\$67,500
Importance Code B		\$87,500
Total	\$117,500	\$155,000

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$36,400		\$19,500	
Interior Architecture	\$17,900		\$1,100	\$1,500
Electrical	\$21,000	\$1,400	\$1,500	\$12,600
Mechanical	\$22,000	\$1,000	\$1,700	\$7,000
Site Enclosure	\$15,500			
Site Pavements	\$4,600			
Total	\$117,400	\$2,300	\$23,800	\$21,100
Importance Code A	\$36,800	\$400	\$19,900	\$400
Importance Code B	\$74,500	\$2,000	\$3,900	\$19,800
Importance Code C	\$6,100			\$900
Total	\$117,400	\$2,300	\$23,800	\$21,100



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FIRE DEPARTMENT - 057
ENGINE CO. 298/LADDER CO. 127 BATTALION 50

Asset # : 13184

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	0-2	\$22,900	LIFE	**	5	\$15,200	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Rusted Brick Relieving Angle</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Isolated At Multiple Locations Along The 4 Elevations</i>								
Metal Panel	10%			2043	**	5-10	\$13,100	
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Station Signage</i>								
<i>Explanation : Signage Is Deteriorating</i>								
Metal Sect. OHD	10%			2036	**	5	\$5,900	
Windows								
Aluminum	100%	Now	\$117,500	2048	**	5	\$1,400	
<i>Weather Strip Missing, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Windows Are Original, More Than 50 Years Old.</i>								
Parapets								
Metal Rail	100%			2036	**	5-10	\$42,100	
Roof								
Modified Bitumen	100%	Now	\$13,500	2023			\$67,500	
<i>Alligatoring, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$13,900	
Ceramic Tile	7%			2036	**	5	\$900	
Quarry Tile	7%			2036	**	5	\$1,300	
Vinyl Tile	36%	0-2	\$3,900	2028		3	\$1,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Captain Office And Several 2nd Floor Locations</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : House Watch</i>								
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	10%			2032	**	5	\$1,800	
Concrete Masonry Unit	15%			LIFE	**	5	\$1,100	
Gypsum Board	15%			LIFE	**	5	\$1,600	
Plaster	20%	0-2	\$1,400	LIFE	**	5	\$1,100	
<i>Water Penetration, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Captain Office</i>								
SGFT/Glazed Masonry	30%			LIFE	**			

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 298/LADDER CO. 127 BATTALION 50
Asset # : 13184

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Interior									
Ceilings									
AcousTileSusp.Lay-In	10%	0-2	\$10,200	2043	**	5	\$600		
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Kitchen</i>									
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>									
<i>Location : Apparatus Room Bathroom</i>									
Exposed Concrete	20%			LIFE	**	5	\$400		
Plaster	70%	2-4	\$2,300	LIFE	**	5	\$5,500		
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Southeast 2nd Floor Office</i>									
Site Enclosure									
Fence/Gates									
Chain link	100%			2043	**				
Free Standing Walls									
Concrete Masonry Unit	100%			2043	**				
Retaining Walls									
Cast in Place Concrete	50%			2058	**				
Concrete Masonry Unit	50%	Now	\$15,500	2033	**				
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 90%</i>									
<i>Location : Multiple Locations</i>									
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 10%</i>									
<i>Location : Multiple Locations</i>									
Site Pavements									
On-Site Walkways									
Cast in Place Concrete	100%			2036	**				
Parking/Driveway									
Cast in Place Concrete	100%	0-2	\$4,600	2036	**				
<i>Sinking/Subsiding, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : At The Edge Of Sidewalk And Curb Cut</i>									
Electrical									
System Component Type		Current Repair			Future Replacement		Maintenance		Priority
% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost			
Under 600 Volts									
Service Equipment									
Fused Disc Sw	100%			2023	\$4,800	5			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement Service Room</i>									
<i>Explanation : 400 Amperes Main Disconnect Switch</i>									
Switchgear / Switchboard									
Molded Case Bkrs	100%			2023	\$48,800	5	\$200		
Raceway									
Conduit	90%			2033	**	1			
Conduit	10%			2043	**	1			

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 298/LADDER CO. 127 BATTALION 50

Asset # : 13184

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Panelboards								
	Fused Disc Sw	10%			2039	**	5	
	Fused Disc Sw	10%			2022	\$3,800	5	
	Molded Case Bkrs	20%			2022	\$7,700	5	
	Molded Case Bkrs	60%			2039	**	5	\$100
Wiring								
	Braided Cloth	30%	2-4	\$8,300	2048	**	1	
	<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Throughout The Building</i>							
	Thermoplastic	45%			2033	**	1	
	Thermoplastic	20%			2043	**	1	
	Under Construction	5%						
Motor Controllers								
	Locally Mounted	100%			2028	\$14,400	5	\$100
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : 1st Floor Garage Doors</i>							
	<i>Explanation : Motorlzed Door Operators</i>							
Ground								
Grounding Devices								
	Generic	30%			LIFE	**	5	
	Generic	70%	2-4	\$6,700	LIFE	**	5	\$100
	<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>							
	<i>Location : Water Main</i>							
	<i>Explanation : Corroded</i>							
Stand-by Power								
Transfer Switches								
	Automatic	100%			2040	**	1	\$2,400
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement Service Area</i>							
	<i>Explanation : Rating Not Visible</i>							
Generators								
	Diesel	95%			2036	**	1	\$2,900
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Exterior - East Side</i>							
	<i>Explanation : One 81 Kva.</i>							
	Diesel	5%	4+	\$3,300	2038	**	1	\$100
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Generator Exhaust</i>							
	<i>Explanation : Growth Of Weeds- Possible Blockage</i>							
Batteries								
	Lead/Acid	100%			2019	\$1,500	5	\$300

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 298/LADDER CO. 127 BATTALION 50
Asset # : 13184

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Fuel Storage								
Day Tank	50%			2045	**	5	\$700	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 60 Gallon Day Tank</i>						
Main Tank	50%			2038	**	5	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 550 Gallon Main Tank</i>						
Lighting								
Interior Lighting								
Fluorescent	87%			2028	\$18,700	10	\$6,300	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Fluorescent	5%			2031	**	10	\$400	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement, Laundry Room And Bathroom</i>						
Incandescent	3%			2023	\$1,500	2		
Under Construction	5%							
Egress Lighting								
Emergency, Service	50%			2028	\$1,900	1		
Exit, Service	50%			2023	\$400	1		
Exterior Lighting								
HID	90%			2033	**	10		
		<i>Obsolete Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Exterior Throughout</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Exterior Throughout</i>						
		<i>Explanation : High Pressure Sodium Bulbs</i>						
Incandescent	10%			2033	**	2		
		<i>Obsolete Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Downlights In Soffit Above Garage Doors</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Downlights In Soffit Above Garage Doors</i>						
		<i>Explanation : Bulb Type Not Visible</i>						
Alarm								
Fire/Smoke Detection								
Generic	100%			2033	**	1-3	\$4,900	
		<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 298/LADDER CO. 127 BATTALION 50
Asset # : 13184

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : New Gas Service Recently Installed</i>								
Conversion Equipment								
Hot Water Boiler	100%			2040	**	1	\$3,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : New Gas Fired Circulating Hot Water Boiler Recently Installed</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2031	**	4	\$600	
Terminal Devices								
Convactor/Radiator	70%			2036	**	1	\$1,800	
Unit Heater - Steam	30%			2023	\$8,000	4	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Engine Bay</i>								
<i>Explanation : Unit Heaters Serve Engine Bay</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2045	**	1		
Conversion Equipment								
Reciprocating Compr/Chiller	20%			2023	\$12,600	1	\$700	
Window/Wall Unit	55%			2019	\$8,500	1		
No Component	25%							
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2	\$2,100	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Serves Kitchen Air Conditioning Unit Only</i>								
No Component	80%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : 80 Percent Of Air Conditioning Is From Window Units. No Ductwork</i>								
Terminal Devices								
Fan Coil - 2 Pipe	20%			2023	\$21,200	1	\$500	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$900	
No Component	80%							
Exhaust Fans								
Interior	25%			2023	\$6,600	2	\$100	
Interior	25%	0-2	\$6,600	2033	**	2		
<i>Malfunctioning, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Apparatus Room, 1 Of 2 Defective Exhaust Fans</i>								
Roof	50%			2023	\$6,200	2	\$100	

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FIRE DEPARTMENT - 057
ENGINE CO. 298/LADDER CO. 127 BATTALION 50
Asset # : 13184

Mechanical		Current Repair		Future Replacement		Maintenance		Priority	
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	H/C Water Piping Brass/Copper	100%			2043	**	1		
<i>No Water Meter, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
	Water Heater Electric	50%			2022	\$3,300	4		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Tanks In Basement And Panels On Roof</i>									
<i>Explanation : Four Recently Installed 115 Gallon Electric Heaters Powered By New Solar Panels On Roof</i>									
	Gas Fired	50%			2022	\$2,300	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement.</i>									
<i>Explanation : Indirect Water Heater. Boiler Is Heat Source. Used As Back- Up To Solar Heating System.</i>									
	Sanitary Piping Cast Iron	95%			LIFE	**	1		
	Cast Iron	5%	Now	\$2,700	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Basement. Sluggish House Traps</i>									
<i>Leak Evident, Extent : Severe, Area Affected : 5%</i>									
<i>Location : 2nd Floor Janitor Closet. Leaky Pipe Drain Causing Water Damage On Ceiling Below.</i>									
	Storm Drain Piping Cast Iron	100%			LIFE	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Rear Courtyard And Apparatus Floor</i>									
<i>Explanation : Firehouse Is At The Base Of Hill And Experiences Backups During Heavy Rains.</i>									
	Sump Pump(s) Submersible	100%			2019	\$300	4	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
<i>Explanation : Duel Pumps</i>									
	Fixtures Generic	100%							
Fire Suppression									
	Chemical System Wet	100%			2019	\$2,100	1-3	\$4,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Kitchen</i>									
<i>Explanation : Over Range</i>									

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 299/LADDER CO. 152
Address : 61-20 UTOPIA PARKWAY
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.299 / 13185 **Yr Built/Renovated** : 1960 / 2006
Area Sq Ft : 5,920 **Project Type** : FIRE DEPARTMENT
Date of Survey : 09-Aug-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 6891 **Lot** : 3 **BIN** : 4148798

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$154,400	
Interior Architecture		\$37,100
Electrical		\$48,800
Total	\$154,400	\$85,900
Importance Code A	\$154,400	
Importance Code B		\$48,800
Importance Code C		\$37,100
Total	\$154,400	\$85,900

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$22,500			
Interior Architecture	\$39,100		\$15,600	\$500
Electrical	\$34,800		\$14,400	\$54,900
Mechanical	\$2,700	\$500	\$3,900	\$12,000
Total	\$99,000	\$500	\$33,900	\$67,500
Importance Code A	\$22,700	\$300	\$300	\$300
Importance Code B	\$63,500	\$200	\$32,900	\$67,200
Importance Code C	\$12,800		\$700	
Total	\$99,000	\$500	\$33,900	\$67,500



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 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 299/LADDER CO. 152
Asset # : 13185

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	90%	0-2	\$113,700	LIFE	**	5	\$18,900	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout All Facades</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations Throughout</i>								
Masonry: Limestone	5%			LIFE	**	5	\$800	
Metal Sect. OHD	5%	0-2	\$3,300	2028	\$32,700	5	\$1,600	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Dented, Paint Peeling And Some Missing Hardware</i>								
Windows								
Aluminum	100%	Now	\$40,700	2045	**	5	\$1,200	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Window</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	90%	0-2	\$15,800	LIFE	**	5	\$2,700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout Interior Face</i>								
Pre-Cast Concrete	10%			LIFE	**	5	\$1,900	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Coping</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Coping</i>								
<i>Explanation : Staining/discoloring</i>								
Roof								
Single Ply Membrane	100%	Now	\$3,400	2028	\$33,900			
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$10,700	
Ceramic Tile	5%			2019	\$9,500	5	\$500	
Quarry Tile	5%			2021	\$14,000	5	\$700	
Vinyl Tile	40%	0-2	\$16,600	2028	\$33,200	3	\$1,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 1st And 2nd Floors</i>								
<i>Deflection Evident, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Back Corner Of Bunkroom</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 299/LADDER CO. 152

Asset # : 13185

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Cast in Place Concrete	15%	0-2	\$12,800	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Basement</i>								
Ceramic Tile	10%			2026	\$37,100	5	\$1,300	
Gypsum Board	5%			LIFE	**	5	\$400	
Metal Panel	5%			LIFE	**			
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen, 2012</i>								
Plaster	40%			LIFE	**	5	\$1,600	
SGFT/Glazed Masonry	25%			LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Garage Area</i>								
Ceilings								
AcousTileSusp.Lay-In	10%			2036	**	5	\$1,000	
<i>Recent Replace Evident, Extent : Light, Area Affected : 15%</i>								
<i>Location : Kitchen</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 10%</i>								
<i>Location : Tv Room, Gymnasium</i>								
Plaster	90%			LIFE	**	5	\$5,500	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2023	\$4,800	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Amperes Main Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2023	\$48,800	5	\$200	
Raceway								
Conduit	90%			2023	\$28,200	1		
Conduit	10%			2043	**	1		
Panelboards								
Fused Disc Sw	10%			2022	\$3,800	5		
Fused Disc Sw	5%			2039	**	5		
Molded Case Bkrs	75%			2022	\$28,900	5	\$100	
Molded Case Bkrs	10%			2039	**	5		
Wiring								
Braided Cloth	80%			2022	\$22,200	1		
Thermoplastic	10%			2043	**	1		
Thermoplastic	10%			2023	\$2,800	1		
Motor Controllers								
Locally Mounted	100%			2021	\$14,400	5		

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FIRE DEPARTMENT - 057
ENGINE CO. 299/LADDER CO. 152
Asset # : 13185

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	70%			2019	\$11,200	10	\$3,800	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : T-12 Lamps</i>						
Fluorescent	30%			2028	\$4,800	10	\$1,600	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : T-8 Lamps</i>						
Exterior Lighting								
HID	25%			2019	\$5,600	10		
Incandescent	75%	Now	\$14,200	2033	**	2		
		<i>Not in Service, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Back And Side Of The Building</i>						
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2033	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2040	**	1	\$2,900	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One Unit</i>						
Distribution								
Hot Wtr Piping/Pump	100%			2039	**	4	\$400	
Terminal Devices								
Convactor/Radiator	100%			2036	**	1	\$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2045	**	1		
Conversion Equipment								
Window/Wall Unit	100%			2022	\$11,500	1		
Ventilation								
Exhaust Fans								
Interior	100%	Now	\$2,000	2028	\$19,700	2	\$100	
		<i>Broken, Extent : Moderate, Area Affected : 15%</i>						
		<i>Location : Bathrooms And 1st Floor</i>						
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2043	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 299/LADDER CO. 152
Asset # : 13185

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
	Water Heater							
	Gas Fired	100%		2021	\$3,400	2	\$100	
	Sanitary Piping							
	Cast Iron	100%		LIFE	**	1		
	Storm Drain Piping							
	Cast Iron	100%		LIFE	**	1		
	Sump Pump(s)							
	Non-Submersible	100%		2023	\$800	4	\$200	
	<i>Other Observation, Extent : Severe, Area Affected : 50%</i>							
	<i>Location : Cellar</i>							
	<i>Explanation : Pump Running Constantly Due To Ground Water Or Other Source</i>							
Fixtures								
	Generic	100%						

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 3/LADDER 12/ BATTALION 7
Address : 152 WEST 19th STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.003 / 13002 **Yr Built/Renovated** : 1967 /
Area Sq Ft : 8,772 **Project Type** : FIRE DEPARTMENT
Date of Survey : 30-Mar-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 794 **Lot** : 64 **BIN** : 1014723

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$138,400	
Electrical		\$26,900
Total	\$138,400	\$26,900
Importance Code A	\$138,400	
Importance Code B		\$26,900
Total	\$138,400	\$26,900

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$21,400	\$6,800		
Interior Architecture	\$6,200	\$400	\$300	\$700
Electrical	\$17,800	\$1,400	\$2,900	\$8,800
Mechanical	\$8,400	\$700	\$1,400	\$18,600
Total	\$53,800	\$9,300	\$4,500	\$28,100
Importance Code A	\$21,800	\$7,300	\$400	\$500
Importance Code B	\$31,900	\$2,100	\$4,100	\$27,600
Importance Code C				
Total	\$53,800	\$9,300	\$4,500	\$28,100



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FIRE DEPARTMENT - 057
ENGINE CO. 3/LADDER 12/ BATTALION 7
Asset # : 13002

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Glazed Ceramic Panel	30%	2-4	\$3,700	LIFE	**	5	\$26,400	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	60%	2-4	\$6,800	LIFE	**	5	\$11,300	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Chimney And Stair Bulkhead</i>								
Wood Overhead Doors	10%			2044	**	5	\$9,400	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Replaced With Fiberglass Overhead Door</i>								
Windows								
Aluminum	100%	Now	\$71,400	2052	**	5	\$900	
<i>Air Infiltration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Hardware Missing, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Thermally Inefficient</i>								
Parapets								
Glazed Ceramic Panel	10%	Now	\$2,700	2047	**	5	\$600	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Front Facade</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Of Building</i>								
Masonry: Brick	70%	2-4	\$3,600	LIFE	**	5	\$3,100	
<i>Vertical Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Front Of Building</i>								
Metal Rail	10%			2040	**	5-10	\$8,000	
Metal: Cage/Fence	10%			2040	**	5-10	\$3,400	

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FIRE DEPARTMENT - 057
ENGINE CO. 3/LADDER 12/ BATTALION 7
Asset # : 13002

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Roof								
Built-Up (BUR)	100%	0-2	\$67,000	2037		**		
<i>Drains Clogged, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Lower Roof</i>								
<i>Grvl/Blst Miss/Disp, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Cap Flashing Throughout</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Lower Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Stair Bulkhead, And Various Locations On Upper And Lower Roofs</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	35%			LIFE		**	5	\$8,800
Ceramic Tile	5%			2036		**	5	\$600
Quarry Tile	5%			2040		**	5	\$900
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Kitchen</i>								
Terrazzo	5%			LIFE		**	5	\$500
Vinyl Tile	5%	Now	\$100	2032		**	3	\$200
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : 1st Floor Office</i>								
Vinyl Tile 9" X 9"	45%	Now	\$5,700	2032		**	3	\$1,900
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Concrete Masonry Unit	20%			LIFE		**	5	\$1,200
Plaster	50%			LIFE		**	5	\$2,300
SGFT/Glazed Masonry	30%			LIFE		**		

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FIRE DEPARTMENT - 057
ENGINE CO. 3/LADDER 12/ BATTALION 7
Asset # : 13002

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Interior									
Ceilings									
AcousTileSusp.Lay-In	5%	Now	\$100	2040	**	5	\$300		
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>									
<i>Location : Kitchen</i>									
Exposed Concrete	85%			LIFE	**	5	\$1,500		
<i>Paint Peeling, Extent : Light, Area Affected : 20%</i>									
<i>Location : 2nd Floor Bathroom, Bunk Rooms And Basement</i>									
<i>Spalling, Extent : Moderate, Area Affected : 2%</i>									
<i>Location : Basement</i>									
<i>Water Penetration, Extent : Light, Area Affected : 15%</i>									
<i>Location : Stair Bulkhead And 2nd Floor Bunk Room</i>									
Plaster	10%	Now	\$300	LIFE	**	5	\$700		
<i>Water Penetration, Extent : Light, Area Affected : 1%</i>									
<i>Location : 1st Floor Office Area</i>									
Site Enclosure									
Fence/Gates									
Chain link	100%			2047	**				
Site Pavements									
On-Site Walkways									
Cast in Place Concrete	100%			2040	**				
Parking/Driveway									
Cast in Place Concrete	100%			2040	**				
Electrical									
System Component Type		% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts									
Service Equipment									
Fused Disc Sw	75%			2027	\$3,600	5			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement Service Area.</i>									
<i>Explanation : 400 Amperes mp Fused Disconnect Switch.</i>									
Fused Disc Sw	25%			2047	**	5			
Raceway									
Conduit	80%			2047	**	1			
Conduit	20%			2047	**	1			
Panelboards									
Molded Case Bkrs	70%			2026	\$26,900	5	\$200		
Molded Case Bkrs	30%			2049	**	5	\$100		
Wiring									
Braided Cloth	60%	2-4	\$16,600	2052	**	1			
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : 1st Floor Monitoring Station</i>									
Thermoplastic	40%			2047	**	1			

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FIRE DEPARTMENT - 057
ENGINE CO. 3/LADDER 12/ BATTALION 7
Asset # : 13002

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2032	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2040	**	1	\$2,700	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement Service Area</i>						
		<i>Explanation : 200 Amperes Transfer Switch.</i>						
Generators								
Diesel	100%			2036	**	1	\$3,400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Exterior Lower Roof</i>						
		<i>Explanation : 80 Kva, 3 Phase, 208/120 V</i>						
Batteries								
Lead/Acid	100%			2021	\$1,500	5	\$300	
Fuel Storage								
Day Tank	10%			2043	**	5	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Exterior Lower Roof Integral With Generator</i>						
		<i>Explanation : 60 Gallon Sub-Base Day Tank</i>						
Main Tank	90%			2055	**	5	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 550 Gallon Diesel Fuel Oil Tank For Trucks</i>						
Lighting								
Interior Lighting								
Fluorescent	95%			2032	**	10	\$7,600	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
Incandescent	5%			2027	\$2,800	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : T. V. Room</i>						
		<i>Explanation : Downlights</i>						
Egress Lighting								
Exit, Service	100%			2027	\$1,000	1		
Exterior Lighting								
HID	98%	4+		2027	\$400			
		<i>Not in Service, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Facade</i>						
		<i>Outdr Lights On During Daytime, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Front Of Building</i>						
Incandescent	2%			2027	\$600	2		
Alarm								

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FIRE DEPARTMENT - 057
ENGINE CO. 3/LADDER 12/ BATTALION 7
Asset # : 13002

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Fire/Smoke Detection
Generic, Analog

100%

2032

* *

1-3

\$5,400

*Other Observation, Extent : Light, Area Affected : 100%**Location : Full Building**Explanation : Automatic Fire Alarm Only*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2047

* *

1

Conversion Equipment

Hot Water Boiler

100%

2040

* *

1

\$4,300

Distribution

Hot Wtr Piping/Pump

100%

2035

* *

4

\$600

Terminal Devices

Convactor/Radiator

60%

2032

* *

1

\$1,700

Convactor/Radiator

10% Now

\$400

2047

* *

1

\$300

*Damaged, Extent : Moderate, Area Affected : 20%**Location : 1st And 2 Floor**Other Observation, Extent : Light, Area Affected : 20%**Location : 1st Floor**Explanation : Cover Damaged*

Unit Heater - Steam

30%

2027

\$8,800

4

\$400

Air Conditioning

Energy Source

Electricity

100%

2043

* *

1

Conversion Equipment

Split Unit

25%

2032

* *

*Other Observation, Extent : Light, Area Affected : 25%**Location : 2nd Floor**Explanation : Serving Locker Rooms*

Window/Wall Unit

75%

2022

\$12,800

1

Ventilation

Distribution

Ductwork/Diffusers

100%

LIFE

* *

2-5

\$4,900

Exhaust Fans

Roof

80%

2027

\$10,900

2

\$200

Wall Unit

20%

2027

\$600

2

\$100

Plumbing

H/C Water Piping

Brass/Copper

100%

2037

* *

1

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FIRE DEPARTMENT - 057
ENGINE CO. 3/LADDER 12/ BATTALION 7
Asset # : 13002

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Water Heater							
	Gas Fired	100%			2022	\$5,000	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 75 Gallon Units</i>								
Sanitary Piping								
	Cast Iron	80%			LIFE	**	1	
	Cast Iron	20%	Now	\$4,800	LIFE	**	1	
<i>Leak Evident, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 1st Floor Ceiling</i>								
Storm Drain Piping								
	Cast Iron	80%			LIFE	**	1	
	Cast Iron	20%	Now	\$1,700	LIFE	**	1	
<i>Blockage /Clogged, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement</i>								
Sump Pump(s)								
	Submersible	100%			2019	\$300	4	\$300
Backflow Preventer								
	No Component	95%						
	Generic	5%			2032	**	1	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Boiler Only</i>								
Fixtures								
	Generic	100%						
Fire Suppression								
	Chemical System							
	Wet	10%			2025	\$200	1-3	\$500
	No Component	90%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 301/LADDER CO. 150
Address : 91-02 197th STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.301 / 13186 **Yr Built/Renovated** : 1933 / 2003
Area Sq Ft : 9,974 **Project Type** : FIRE DEPARTMENT
Date of Survey : 25-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 10464 **Lot** : 25 **BIN** : 4222434

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$172,700	
Interior Architecture		\$51,300
Mechanical		\$126,300
Total	\$172,700	\$177,600
Importance Code A	\$172,700	
Importance Code B		\$177,600
Total	\$172,700	\$177,600

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$13,400		\$1,200	\$6,000
Interior Architecture	\$74,800		\$1,100	\$1,100
Electrical		\$100		\$800
Mechanical	\$2,600	\$1,800	\$2,400	\$13,700
Total	\$90,700	\$1,900	\$4,700	\$21,600
Importance Code A	\$14,100	\$900	\$2,000	\$6,900
Importance Code B	\$46,400	\$1,000	\$2,700	\$14,700
Importance Code C	\$30,200			
Total	\$90,700	\$1,900	\$4,700	\$21,600



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FIRE DEPARTMENT - 057
ENGINE CO. 301/LADDER CO. 150
Asset # : 13186

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	0-2	\$172,700	LIFE	**	5	\$19,100	
<i>Repointing Failure, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Side/ Rear Facades And Hose Tower</i>								
Granite Panels	10%			LIFE	**	5	\$1,800	
Wood Overhead Doors	10%			2032	**	5	\$11,900	
Windows								
Aluminum	25%			2043	**	5	\$600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Protective Metal Grilles</i>								
Aluminum	75%	0-2	\$7,900	2035	**	5	\$900	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Upper Story Windows</i>								
Parapets								
Masonry: Brick	20%			LIFE	**	5	\$100	
Masonry: Granite	80%			LIFE	**	5	\$600	
<i>Repointing Failure, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Parapet And Hose Tower</i>								
Roof								
Asphalt Shingle	80%	Now	\$5,500	2036	**			
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Crickets At Hose Tower</i>								
Copper/Terne	5%			2055	**	10	\$1,200	
Roll Roofing	15%			2026	\$6,200	5	\$2,500	
Interior								
Floors								
Cast in Place Concrete	35%	2-4	\$22,000	LIFE	**	5	\$9,300	
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Apron Of Apparatus Room - Into Basement Tool Room</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Below Apparatus Room</i>								
<i>Explanation : Structurally Insufficient</i>								
Ceramic Tile	5%			2036	**	5	\$600	
Vinyl Tile	50%			2027	\$51,300	3	\$2,300	
Wood	10%			2042	**	5	\$2,300	

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FIRE DEPARTMENT - 057
ENGINE CO. 301/LADDER CO. 150
Asset # : 13186

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Cast in Place Concrete	5%	Now	\$15,900	LIFE		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Hose Tower</i>								
<i>Diagonal Cracks, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Hose Tower</i>								
<i>Vertical Cracks, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Hose Tower</i>								
Gypsum Board	20%	Now	\$4,200	LIFE		**	5	\$2,000
<i>Water Penetration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Stair To Third Floor, Locker Room, Engine Officers Bedroom</i>								
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Stair To Third Floor</i>								
<i>Explanation : Mold</i>								
Masonry: Brick	10%			LIFE		**		
Plaster	15%	Now	\$10,100	LIFE		**	5	\$800
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 35%</i>								
<i>Location : Hose Tower And Third Floor Stair</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Hose Tower, Pole Hole And Various Locations Throughout</i>								
SGFT/Glazed Masonry	50%			LIFE		**		
Ceilings								
AcousTileSusp.Lay-In	5%	Now	\$400	2044		**	5	\$300
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Locker Room</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Dormitory</i>								
Exposed Concrete	5%	Now	\$1,700	LIFE		**	5	\$100
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Hose Tower</i>								
Gypsum Board	15%			LIFE		**	5	\$2,000
Plaster	75%	Now	\$20,600	LIFE		**	5	\$4,900
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Hose Tower, Locker Room, Engine Officers Bedroom, Stair</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2037		**	5	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Switch Rated @ 400 Amperes</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 301/LADDER CO. 150
Asset # : 13186

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2037	**	5	\$300	
Raceway								
Conduit	100%			2037	**	1		
Panelboards								
Molded Case Bkrs	100%			2035	**	5	\$300	
Wiring								
Thermoplastic	100%			2037	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	99%			2027	\$26,700	10	\$9,100	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Incandescent	1%			2022	\$600	2		
Egress Lighting								
Emergency, Battery	10%			2027	\$1,300	10	\$200	
Exit, Service	90%			2027	\$1,000	1		
Exterior Lighting								
HID	20%			2027	\$7,500	10		
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Electricity	20%			2037	**	1		
Natural Gas	80%			2037	**	1		
Conversion Equipment								
Heat Pump Air Sourced	20%			2028	\$12,400	2	\$600	
		<i>Other Observation, Extent : Light, Area Affected : 20%</i>						
		<i>Location : 3rd Floor</i>						
		<i>Explanation : 4 Units</i>						
Steam Boiler	80%			2040	**	1	\$7,900	
		<i>Other Observation, Extent : Light, Area Affected : 80%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit</i>						
Distribution								
Central Plant Steam	80%			2027	\$126,300	4	\$600	
Piping/Pmp								
No Component	20%							

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FIRE DEPARTMENT - 057
ENGINE CO. 301/LADDER CO. 150
Asset # : 13186

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Terminal Devices								
Convactor/Radiator	80%			2032	**	1	\$2,600	
Fan Coil Unit/Heat	20%			2032	**	1	\$600	
Air Conditioning								
Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Split Unit	20%			2032	**			
<i>R-22 Refrigerant, Extent : Light, Area Affected : 20%</i>								
<i>Location : 5 Units. Various</i>								
Window/Wall Unit	50%			2022	\$9,700	1		
No Component	30%							
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2	\$2,600	
No Component	80%							
Terminal Devices								
Air Handler/Dir Expansion	20%			2032	**	1		
No Component	80%							
Heat Rejection								
Dry Cooler	20%			2032	**	2	\$1,400	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	40%			LIFE	**	2-5	\$2,200	
No Component	60%							
Exhaust Fans								
Roof	10%	Now	\$200	2027	\$1,500	2		
<i>Malfunctioning, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Kitchen Fan, Roof</i>								
Wall Unit	60%			2027	\$2,000	2	\$200	
No Component	30%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2037	**	1		
Water Heater								
Gas Fired	100%			2025	\$5,700	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2019	\$300	4	\$300	

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FIRE DEPARTMENT - 057
ENGINE CO. 301/LADDER CO. 150
Asset # : 13186

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System								
	Generic	100%			2022	\$1,900	1-3	\$4,000

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 302/LADDER CO. 155
Address : 143-15 ROCKAWAY BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.302 / 13187 **Yr Built/Renovated** : 1931 /
Area Sq Ft : 5,152 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Aug-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 12046 **Lot** : 2 **BIN** : 4261544

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$184,800	\$59,300
Interior Architecture	\$83,300	
Total	\$268,000	\$59,300
Importance Code A	\$184,800	\$59,300
Importance Code B	\$83,300	
Total	\$268,000	\$59,300

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$81,500			\$100
Interior Architecture	\$48,300		\$300	\$500
Electrical			\$100	
Mechanical	\$10,900	\$700	\$3,800	\$700
Site Enclosure	\$16,600			
Site Pavements	\$9,400			
Total	\$166,700	\$700	\$4,200	\$1,300
Importance Code A	\$82,000	\$500	\$500	\$600
Importance Code B	\$41,000	\$200	\$3,700	\$700
Importance Code C	\$43,700			
Total	\$166,700	\$700	\$4,200	\$1,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 302/LADDER CO. 155
Asset # : 13187

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$86,500	LIFE	**	5	\$14,400	
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West Facade</i>								
Masonry: Granite	3%	0-2	\$7,300	LIFE	**	5	\$500	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	7%	Now	\$62,700	LIFE	**	5	\$1,100	
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 25%</i>								
<i>Location : South Facade</i>								
Stucco Cement	10%	Now	\$29,700	2028	\$59,300	5	\$2,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Hose Tower</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Hose Tower</i>								
Wood Overhead Doors	10%	Now	\$19,400	2036	**	5	\$5,100	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Center Of Door</i>								
Windows								
Aluminum	100%	Now	\$4,300	2039	**	5	\$300	
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 35%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	95%	Now	\$19,000	LIFE	**	5	\$1,600	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Corners</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	5%	Now	\$1,800	LIFE	**	5	\$100	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Coping</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 302/LADDER CO. 155
Asset # : 13187

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Exterior									
Roof									
Asphalt Shingle	5%			2032	**	10	\$100		
Built-Up (BUR)	90%	Now	\$35,600	2033	**				
<i>Blisters, Extent : Severe, Area Affected : 30%</i>									
<i>Location : Main Roof</i>									
<i>Patching Evident, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Main Roof</i>									
<i>Worn/Eroded, Extent : Severe, Area Affected : 25%</i>									
<i>Location : Main Roof</i>									
Skylight, Metal/Glass	5%			2043	**	10	\$1,400		
Interior									
Floors									
Cast in Place Concrete	53%	0-2	\$4,700	LIFE	**	5	\$9,900		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
Ceramic Tile	5%			2032	**	5	\$400		
Quarry Tile	5%			2036	**	5	\$600		
Sheet Vinyl/Rubber	5%			2028	\$12,600	5	\$600		
Terrazzo	2%	0-2	\$400	LIFE	**	5	\$100		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
Vinyl Tile	30%	0-2	\$1,100	2028	\$21,700	3	\$1,000		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
Interior Walls									
Cast in Place Concrete	5%	Now	\$16,900	LIFE	**				
<i>Diagonal Cracks, Extent : Severe, Area Affected : 15%</i>									
<i>Location : Hose Tower</i>									
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 30%</i>									
<i>Location : Hose Tower</i>									
<i>Paint Peeling, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Hose Tower</i>									
Cast in Place Concrete	10%			LIFE	**				
Gypsum Board	5%			LIFE	**	5	\$200		
Masonry: Brick	15%			LIFE	**				
Plaster	40%	4+	\$900	LIFE	**	5	\$600		
<i>Paint Peeling, Extent : Severe, Area Affected : 10%</i>									
<i>Location : Second Floor</i>									
SGFT/Glazed Masonry	25%			LIFE	**				

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 302/LADDER CO. 155
Asset # : 13187

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	15%	0-2	\$2,100	2036	**	5	\$600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Cast in Place Concrete	45%	Now	\$83,300	LIFE	**	5	\$1,200	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Hose Tower</i>								
<i>Other Observation, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Hose Tower</i>								
<i>Explanation : Exposed Reinforcing</i>								
Exposed Struc: Steel	20%			LIFE	**			
Plaster	20%	0-2	\$22,400	LIFE	**	5	\$1,100	
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Second Floor</i>								
Site Enclosure								
Fence/Gates								
Chain link	45%	0-2	\$8,800	2053	**			
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Wood	55%	0-2	\$7,800	2028	\$7,800			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	0-2	\$5,900	2028	\$29,700			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Parking/Driveway								
Cast in Place Concrete	100%	0-2	\$3,500	2036	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2033	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Service Area</i>								
<i>Explanation : 200 Amperes Fused Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2033	**	5	\$100	
Raceway								
Conduit	100%			2033	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 302/LADDER CO. 155
Asset # : 13187

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Molded Case Bkrs	100%			2031	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Rear Service Area</i>								
<i>Explanation : Panel Cover Leaning Against Wall Underneath Panel</i>								
Wiring								
Thermoplastic	100%			2033	**	1		
Motor Controllers								
Locally Mounted	100%			2036	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Boiler Room</i>								
<i>Explanation : New Motors For Heating System</i>								
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	100%			2023	\$14,000	10	\$4,700	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement And 1st And 2nd Floors</i>								
<i>Explanation : T-8 In Basement And T-12 On 1st And 2nd Floor</i>								
Exterior Lighting								
HID	100%			2023	\$19,400	10		
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Steam Boiler	100%			2040	**	1	\$5,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2033	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%	Now	\$500	2028	\$25,800	1	\$1,500	
<i>Malfunctioning, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Relief Valves Need Replacement</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 302/LADDER CO. 155
Asset # : 13187

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
	Conversion Equipment							
	Window/Wall Unit	75%			2019	\$7,500	1	
	No Component	25%						
Ventilation								
	Exhaust Fans							
	Roof	100%			2028	\$8,000	2	\$200
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2033	**	1	
				<i>No Water Meter, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
Water Heater								
	Gas Fired	100%			2021	\$2,900	2	\$100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : 2 Units - 75 Gallons Each</i>				
Sanitary Piping								
	Cast Iron	100%	Now	\$1,800	LIFE	**	1	
				<i>Blockage /Clogged, Extent : Moderate, Area Affected : 15%</i>				
				<i>Location : Basement House Trap</i>				
				<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>				
				<i>Location : Gear Room, Leak Is Coming From Shower Drain In 2nd Floor</i>				
Storm Drain Piping								
	Cast Iron	100%	Now	\$500	LIFE	**	1	
				<i>Blockage /Clogged, Extent : Moderate, Area Affected : 15%</i>				
				<i>Location : Basement House Trap When It Rains</i>				
Sump Pump(s)								
	Non-Submersible	100%			2023	\$700	4	\$200
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : 2 Pits With 1 Pump In Each</i>				
Fixtures								
	Generic	100%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 303/LADDER CO. 126
Address : 104-12 PRINCETON STREET @ LIBERTY AVE.
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.303 / 13188 **Yr Built/Renovated** : 1931 / 2007
Area Sq Ft : 5,610 **Project Type** : FIRE DEPARTMENT
Date of Survey : 20-Jul-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 10046 **Lot** : 14 **BIN** : 4214846

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$43,900	\$52,600
Interior Architecture	\$35,000	
Total	\$78,900	\$52,600
Importance Code A	\$43,900	\$52,600
Importance Code B	\$35,000	
Total	\$78,900	\$52,600

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$1,000		\$6,300	
Interior Architecture			\$700	\$1,100
Electrical			\$100	
Mechanical	\$6,600	\$800	\$700	\$4,000
Total	\$7,500	\$800	\$7,800	\$5,100
Importance Code A	\$1,500	\$600	\$6,900	\$600
Importance Code B	\$6,000	\$200	\$900	\$3,900
Importance Code C				\$600
Total	\$7,500	\$800	\$7,800	\$5,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 303/LADDER CO. 126
Asset # : 13188

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	15%			2033	**	10	\$1,000	
Masonry: Brick	70%	Now	\$43,900	LIFE	**	5	\$14,600	
<i>Painted Surfaces, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : North, South And West Facades</i>								
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : South And West Facades</i>								
Masonry: Limestone	5%			LIFE	**	5	\$800	
Granite Panels	2%			LIFE	**	5	\$300	
Wood Overhead Doors	8%			2028		5	\$8,300	
Windows								
Aluminum	100%			2039	**	5	\$1,900	
Parapets								
Masonry: Brick	85%			LIFE	**	5	\$2,300	
<i>Painted Surfaces, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : North, South And West Facades</i>								
Masonry: Limestone	10%			LIFE	**	5	\$300	
Pre-Cast Concrete	5%			LIFE	**	5	\$800	
Roof								
Asphalt Shingle	25%			2026		10	\$400	
Modified Bitumen	75%			2031	**	10	\$6,300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$8,000	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	15%			2026		5	\$1,400	
Vinyl Tile	45%	0-2	\$35,000	2033	**	3	\$1,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Second Floor</i>								
Interior Walls								
Ceramic Tile	10%			2032	**	5	\$1,200	
Gypsum Board	15%			LIFE	**	5	\$1,100	
Masonry: Brick	15%			LIFE	**			
Plaster	45%			LIFE	**	5	\$1,600	
SGFT/Glazed Masonry	15%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	10%			2028		5	\$900	
Exposed Struc: Steel	30%			LIFE	**			
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Plaster	60%			LIFE	**	5	\$3,400	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 303/LADDER CO. 126
Asset # : 13188

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2033	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Switch Rated @ 200 Amperes</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2033	**	5	\$100	
Raceway								
Conduit	100%			2033	**	1		
Panelboards								
Molded Case Bkrs	100%			2031	**	5	\$100	
Wiring								
Thermoplastic	100%			2033	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	100%			2028	\$15,200	10	\$5,100	
Egress Lighting								
Emergency, Battery	50%			2023	\$3,800	10	\$700	
Exit, Service	50%			2023	\$300	1		
Exterior Lighting								
HID	100%			2023	\$21,200	10		
Mechanical								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Steam Boiler	100%			2036	**	1	\$5,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2039	**	4	\$400	
Terminal Devices								
Convactor/Radiator	100%			2036	**	1	\$1,800	
Air Conditioning								
Energy Source								
Electricity	100%			2031	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 303/LADDER CO. 126
Asset # : 13188

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
	Conversion Equipment							
	Window/Wall Unit	50%			2019	\$5,500	1	
	No Component	50%						
Ventilation								
	Exhaust Fans							
	Wall Unit	10%			2028	\$200	2	
	No Component	90%						
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2043	**	1	
	Water Heater							
	Gas Fired	100%			2022	\$3,200	2	\$100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : 2 Units</i>				
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2019	\$200	4	\$200
	Fixtures							
	Generic	100%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 304/LADDER CO. 162
Address : 218-44 97th AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.304 / 13189 **Yr Built/Renovated** : 1922 /
Area Sq Ft : 5,376 **Project Type** : FIRE DEPARTMENT
Date of Survey : 03-Aug-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 10770 **Lot** : 23 **BIN** : 4230875

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$87,000	\$102,200
Mechanical		\$76,500
Total	\$87,000	\$178,700
Importance Code A	\$87,000	\$102,200
Importance Code B		\$76,500
Total	\$87,000	\$178,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$54,200			
Interior Architecture	\$16,700			\$900
Electrical	\$8,300		\$4,900	
Mechanical	\$6,000	\$1,700	\$9,800	\$1,700
Total	\$85,300	\$1,700	\$14,700	\$2,600
Importance Code A	\$54,700	\$500	\$500	\$500
Importance Code B	\$30,600	\$1,100	\$14,200	\$1,700
Importance Code C				\$300
Total	\$85,300	\$1,700	\$14,700	\$2,600



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 304/LADDER CO. 162
Asset # : 13189

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$87,000	LIFE	**	5	\$14,400	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : West Facade</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Facade, West Facade</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front Office And Truck Office</i>								
Masonry: Limestone	5%	Now	\$9,800	LIFE	**	5	\$700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : North Facade, Window Sills</i>								
Stucco Cement	5%			2028		5	\$2,300	
Wood Overhead Doors	10%			2028		5	\$9,000	
Windows								
Aluminum	100%	0-2	\$7,200	2031	**	5	\$900	
<i>Unit Inoperable, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$7,500	LIFE	**	5	\$1,500	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : West Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Coping</i>								
Masonry: Brick	90%	Now	\$20,600	LIFE	**	5	\$1,800	
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Facade, West Facade</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Interior Face</i>								
Roof								
Modified Bitumen	100%	Now	\$9,000	2028			\$45,200	
<i>Blisters, Extent : Moderate, Area Affected : 15%</i>								
<i>Location :</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Lower Roof, Over Stairs</i>								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$8,900	
Ceramic Tile	5%			2032	**	5	\$400	
Quarry Tile	5%			2028		5	\$600	
Vinyl Tile	40%	4+	\$5,500	2023		3	\$1,200	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 304/LADDER CO. 162
Asset # : 13189

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Interior Walls

Ceramic Tile	5%			2032	**	5	\$600	
Gypsum Board	30%			LIFE	**	5	\$2,100	
Plaster	20%			LIFE	**	5	\$700	
Plywood/Hardboard	10%			LIFE	**			
SGFT/Glazed Masonry	35%			LIFE	**			

Ceilings

AcousTileSusp.Lay-In	30%	0-2	\$11,200	2036	**	5	\$1,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : T V Room, Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Bunk Room</i>								
Exposed Concrete	20%			LIFE	**	5	\$200	
Plaster	50%			LIFE	**	5	\$2,400	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2033	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Amperes Main Disconnect Switch</i>								

Switchgear / Switchboard

Molded Case Bkrs	100%			2033	**	5	\$100	
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Raceway

Conduit	100%			2033	**	1		
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Panelboards

Fused Disc Sw	10%			2031	**	5		
Molded Case Bkrs	60%			2031	**	5	\$100	
Molded Case Bkrs	30%			2039	**	5		

Wiring

Braided Cloth	30%	2-4	\$8,300	2048	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Thermoplastic	70%			2033	**	1		
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Motor Controllers

Locally Mounted	100%			2028		5	\$14,400	
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 304/LADDER CO. 162
Asset # : 13189

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	98%			2031	**	10	\$4,800	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : T-8 Lamps</i>						
Fluorescent	2%			2028	\$300	10	\$100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Waiting Room</i>						
		<i>Explanation : T-5 Lamps</i>						
Exterior Lighting HID	100%			2023	\$20,300	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2043	**	1		
Conversion Equipment Steam Boiler	100%			2036	**	1	\$5,300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One Unit</i>						
Distribution Central Plant Steam Piping/Pmp	100%			2033	**	4	\$300	
Terminal Devices Convactor/Radiator	100%			2028	\$26,900	1	\$1,700	
Air Conditioning								
Energy Source Electricity	100%			2039	**	1		
Conversion Equipment Window/Wall Unit No Component	80% 20%			2021	\$8,400	1		
Terminal Devices Fan Coil - 2 Pipe	100%			2028	\$76,500	1	\$1,700	
Heat Rejection Air Cooled Condenser Unit	100%			2028	\$8,100	2	\$3,700	
Ventilation								
Distribution Ductwork/Diffusers	100%			LIFE	**	2-5	\$3,000	
Exhaust Fans Wall Unit	100%			2028	\$1,800	2	\$200	
Plumbing								

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FIRE DEPARTMENT - 057
ENGINE CO. 304/LADDER CO. 162
Asset # : 13189

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
H/C Water Piping Galvanized Steel	100%			2036	**	1		
Water Heater Gas Fired	100%			2019	\$3,100	2	\$100	
Sanitary Piping Cast Iron	100%	Now	\$1,800	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement House Trap</i>								
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Submersible	100%			2019	\$200	4	\$200	
Fixtures Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 305/LADDER CO. 151
Address : 111-02 QUEENS BOULEVARD @ 75TH AVE.
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.305 / 13190 **Yr Built/Renovated** : 1922 / 2005
Area Sq Ft : 4,248 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-Aug-2012 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,etc
Block : 3294 **Lot** : 20 **BIN** : 4078827

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Electrical	\$42,100	\$53,300
Mechanical		\$81,100
Total	\$42,100	\$134,400
Importance Code B	\$42,100	\$134,400
Total	\$42,100	\$134,400

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$19,100		\$2,500	
Interior Architecture		\$300	\$500	\$400
Electrical	\$45,500		\$10,400	\$100
Mechanical	\$9,400	\$600	\$4,300	\$600
Total	\$74,000	\$900	\$17,700	\$1,000
Importance Code A	\$24,800	\$400	\$2,900	\$400
Importance Code B	\$49,200	\$500	\$14,800	\$400
Importance Code C				\$200
Total	\$74,000	\$900	\$17,700	\$1,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 305/LADDER CO. 151
Asset # : 13190

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%			LIFE	**	5	\$12,700	
Masonry: Limestone	10%	Now	\$18,900	LIFE	**	5	\$1,200	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Metal Sect. OHD	10%			2036	**	5	\$4,900	
Windows								
Aluminum	100%			2039	**	5	\$400	
Roof								
Copper/Terne	100%			2038	**	10	\$15,800	
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$7,000	
Ceramic Tile	5%			2032	**	5	\$300	
Quarry Tile	5%			2036	**	5	\$500	
Vinyl Tile	40%			2023	\$23,600	3	\$1,000	
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	5%			2032	**	5	\$400	
Gypsum Board	45%			LIFE	**	5	\$2,400	
Masonry: Brick	7%			LIFE	**			
SGFT/Glazed Masonry	30%			LIFE	**			
Wood	3%			LIFE	**	5	\$1,100	
Ceilings								
AcousTileSusp.Lay-In	7%			2036	**	5	\$500	
Exposed Concrete	30%			LIFE	**	5	\$300	
Gypsum Board	3%			LIFE	**	5	\$300	
Plaster	60%			LIFE	**	5	\$2,500	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%	2-4	\$5,300	2053	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : No Ratings Available, Enclosure Corroded</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2023	\$53,300	5	\$100	
Raceway								
Conduit	100%			2023	\$34,200	1		
Panelboards								
Molded Case Bkrs	100%			2022	\$42,100	5	\$100	

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 305/LADDER CO. 151
Asset # : 13190

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Wiring								
Braided Cloth	70%	2-4	\$21,200	2048	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	30%			2033	**	1		
Ground								
Grounding Devices								
Metal Water Pipe	100%			2021	\$10,400	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	95%			2023	\$11,900	10	\$3,700	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Incandescent	5%			2019	\$1,500	2		
Egress Lighting								
Exit, LED	100%			2038	**	1		
Exterior Lighting								
HID	100%			2019	\$17,500	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Steam Boiler	100%			2040	**	1	\$4,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2043	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2036	**	1	\$1,400	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Interior Pkg Unit - Cooling	50%	Now	\$4,100	2024	\$81,100	2	\$100	
<i>Leak Evident, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Water Dripping Through 2nd Floor Ceiling Because Of Condensate In The Attic</i>								
Window/Wall Unit	50%			2019	\$4,500	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 305/LADDER CO. 151
Asset # : 13190

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Distribution								
	Ductwork/Diffusers	50%			LIFE	**	2	\$2,800
	No Component	50%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$2,400
Exhaust Fans								
	Interior	100%			2028	\$15,400	2	\$100
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2043	**	1	
Water Heater								
	Gas Fired	100%			2021	\$2,600	2	\$100
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2019	\$100	4	\$100
Fixtures								
	Generic	100%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 306
Address : 40-18 214th PLACE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.306 / 13191 **Yr Built/Renovated** : 1924 / 2007
Area Sq Ft : 4,860 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-Aug-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 6288 **Lot** : 32 **BIN** : 4138284

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$94,800	\$62,200
Total	\$94,800	\$62,200
Importance Code A	\$94,800	\$62,200
Total	\$94,800	\$62,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$41,000			
Interior Architecture	\$1,100	\$500	\$300	\$1,000
Electrical	\$4,400		\$100	
Mechanical	\$10,900	\$600	\$700	\$600
Site Pavements				
Total	\$57,300	\$1,100	\$1,000	\$1,700
Importance Code A	\$41,500	\$500	\$500	\$500
Importance Code B	\$15,800	\$700	\$500	\$400
Importance Code C				\$800
Total	\$57,300	\$1,100	\$1,000	\$1,700



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 306
Asset # : 13191

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$94,800	LIFE	**	5	\$15,700	
<i>Paint Peeling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : North And West Facades</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : North And West Facades</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : North And West Facades</i>								
Masonry: Granite	2%			LIFE	**	5	\$300	
Masonry: Limestone	8%	Now	\$17,200	LIFE	**	5	\$1,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Above Main Entrance</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Facade</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Facade</i>								
Wood Overhead Doors	10%			2028	\$62,200	5	\$9,800	
Windows								
Aluminum	100%			2039	**	5	\$1,600	
Parapets								
Masonry: Brick	90%	Now	\$21,900	LIFE	**	5	\$1,900	
<i>Paint Peeling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : North And West Parapets</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : North And West Parapets</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : West And North Parapets</i>								
Masonry: Limestone	5%	Now	\$1,100	LIFE	**	5	\$100	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Coping</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Coping</i>								
Pre-Cast Concrete	5%			LIFE	**	5	\$700	
Roof								
Built-Up (BUR)	100%			2023	\$34,500	10	\$7,500	
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$7,000	
Ceramic Tile	5%			2032	**	5	\$400	
Quarry Tile	5%			2036	**	5	\$600	
Vinyl Tile	50%			2023	\$34,200	3	\$1,500	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 306
Asset # : 13191

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Interior Walls

Cast in Place Concrete	20%			LIFE	**			
Ceramic Tile	15%			2032	**	5	\$1,700	
Gypsum Board	5%			LIFE	**	5	\$300	
Masonry: Brick	5%			LIFE	**			
Plaster	55%			LIFE	**	5	\$1,800	

Ceilings

AcousTileSusp.Lay-In	10%			2028	\$6,500	5	\$800	
Exposed Struc: Steel	15%			LIFE	**			
Plaster	65%			LIFE	**	5	\$3,300	
Plaster	10%	Now	\$1,100	LIFE	**	5	\$500	

Cracking/Crumbling, Extent : Moderate, Area Affected : 20%

Location : Roof Access

Water Penetration, Extent : Moderate, Area Affected : 10%

Location : Roof Access

Site Enclosure

Fence/Gates

Chain link	100%			2043	**			
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Site Pavements

On-Site Walkways

Cast in Place Concrete	100%			2036	**			
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Parking/Driveway

Asphalt	75%			2032	**			
Cast in Place Concrete	25%			2028	\$14,200			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2033	**	5		
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Basement

Explanation : Main Service Switch Rated @ 200 Amperes

Switchgear / Switchboard

Molded Case Bkrs	100%			2033	**	5	\$100	
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Raceway

Conduit	100%			2033	**	1		
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Panelboards

Molded Case Bkrs	100%			2031	**	5	\$100	
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Wiring

Thermoplastic	100%			2033	**	1		
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Ground

Grounding Devices

Metal Water Pipe	100%			2028	\$9,500	5	\$100	
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Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 306
Asset # : 13191

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	75%			2023	\$9,900	10	\$3,300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor And Basement</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	25%			2019	\$3,300	10	\$1,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : T-12 Lamps</i>								
Exterior Lighting HID	100%			2023	\$18,300	10		
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Natural Gas	100%			2043	* *	1		
Conversion Equipment Steam Boiler	100%			2036	* *	1	\$4,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution Central Plant Steam Piping/Pmp	100%			2043	* *	4	\$400	
Terminal Devices Convactor/Radiator	100%			2028	\$24,300	1	\$1,600	
Air Conditioning								
Energy Source Electricity	100%			2039	* *	1		
Conversion Equipment Window/Wall Unit	75%			2019	\$7,100	1		
No Component	25%							
Ventilation								
Exhaust Fans Interior	30%			2023	\$4,900	2		
No Component	70%							
Plumbing								
H/C Water Piping Brass/Copper	100%			2043	* *	1		
Water Heater Gas Fired	100%			2019	\$2,800	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units / 80 Gallons</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 306
Asset # : 13191

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2019	\$200	4	\$200
	Fixtures							
	Generic	100%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 307/LADDER CO. 154
Address : 81-17 NORTHERN BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.307 / 13192 **Yr Built/Renovated** : 1924 /
Area Sq Ft : 6,240 **Project Type** : FIRE DEPARTMENT
Date of Survey : 25-Mar-2013 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1177 **Lot** : 36 **BIN** : 4026949

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Interior Architecture	\$148,900	
Mechanical		\$98,800
Total	\$148,900	\$98,800
Importance Code B	\$148,900	\$98,800
Total	\$148,900	\$98,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$35,700			\$14,800
Interior Architecture	\$37,700			\$1,200
Electrical	\$55,700			
Mechanical	\$33,300	\$1,300	\$1,800	\$32,400
Total	\$162,400	\$1,300	\$1,800	\$48,500
Importance Code A	\$36,300	\$600	\$600	\$15,400
Importance Code B	\$115,000	\$700	\$1,100	\$33,000
Importance Code C	\$11,100			
Total	\$162,400	\$1,300	\$1,800	\$48,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 307/LADDER CO. 154
Asset # : 13192

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	75%			LIFE	**	5	\$19,400	
Masonry: Limestone	10%			LIFE	**	5	\$1,900	
Metal Sect. OHD	15%			2037	**	5	\$12,100	
Windows								
Wood	100%			2032	**	5	\$17,500	
Parapets								
Masonry: Brick	90%	Now	\$18,900	LIFE	**	5	\$1,600	
								<i>Painted Surfaces, Extent : Moderate, Area Affected : 50%</i>
								<i>Location : Throughout</i>
								<i>Spalling, Extent : Moderate, Area Affected : 25%</i>
								<i>Location : Throughout</i>
Masonry: Limestone	5%			LIFE	**	5	\$100	
Pre-Cast Concrete	5%			LIFE	**	5	\$600	
Roof								
Asphalt Shingle	20%			2033	**	10	\$400	
Modified Bitumen	60%			2029	**	10	\$6,600	
Roll Roofing	15%	Now	\$2,000	2023	\$6,800	5	\$1,400	
								<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 10%</i>
								<i>Location : Over Weight Room</i>
								<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>
								<i>Location : Over Weight Room</i>
Skylight, Metal/Glass	5%	Now	\$8,100	2034	**			
								<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 25%</i>
								<i>Location : Over Weight Room</i>
								<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>
								<i>Location : Over Weight Room</i>

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 307/LADDER CO. 154
Asset # : 13192

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$52,100	LIFE	**	5	\$11,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Apparatus Room</i>								
<i>Deflection Evident, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Apparatus Floor</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Basement Below Apparatus Room</i>								
<i>Explanation : Steel Columns Shoring Up Apparatus Room Floor</i>								
Ceramic Tile	5%			2033	**	5	\$500	
Quarry Tile	5%			2037	**	5	\$800	
Traffic Topping	5%			2029	**	5	\$600	
Vinyl Tile	30%	Now	\$25,600	2034	**	3	\$1,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Second Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Second Floor</i>								
<i>Explanation : 9x9 Tiles</i>								
Wood	5%			2052	**	5	\$900	
Interior Walls								
Ceramic Tile	5%			2033	**	5	\$700	
Masonry: Brick	20%			LIFE	**			
Plaster	50%	Now	\$11,100	LIFE	**	5	\$2,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor - Bunk Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor - Bunk Room</i>								
SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	15%			2029	**	5	\$1,500	
Exposed Concrete	30%	Now	\$96,800	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Steel Columns Shring Up Apparatus Floor.</i>								
Gypsum Board	10%			LIFE	**	5	\$1,300	
Plaster	45%			LIFE	**	5	\$2,800	

Site Enclosure

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 307/LADDER CO. 154
Asset # : 13192

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Site Enclosure								
Fence/Gates								
Chain link	100%			2034	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2037	**			
Parking/Driveway								
Cast in Place Concrete	85%			2037	**			
Pavers/Stone	15%			2033	**			
Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2024	\$4,800	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Switch Rated @ 200 Amperes</i>								
Raceway								
Conduit	100%			2024	\$31,300	1		
Panelboards								
Fused Disc Sw	25%			2023	\$9,600	5		
Molded Case Bkrs	75%			2023	\$28,900	5	\$100	
Wiring								
Thermoplastic	100%			2024	\$27,700	1		
Ground								
Grounding Devices								
Generic	100%	2-4	\$9,500	LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded</i>								
Lighting								
Interior Lighting								
Fluorescent	55%			2019	\$9,300	10	\$3,100	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	40%			2019	\$6,800	10	\$2,300	
<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fluorescent	5%			2019	\$800	10	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Stairs</i>								
<i>Explanation : Compact Fluorescent LightFixtures</i>								
Exterior Lighting								
HID	100%			2019	\$23,500	10		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 307/LADDER CO. 154
Asset # : 13192

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2044	**	1		
Conversion Equipment								
Steam Boiler	100%			2037	**	1	\$6,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2024	\$98,800	4	\$500	
Terminal Devices								
Convactor/Radiator	100%			2022	\$31,200	1	\$2,000	
Air Conditioning								
Energy Source								
Electricity	100%			2032	**	1		
Conversion Equipment								
Reciprocating Compr/Chiller	30%			2019	\$14,900	1	\$900	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 30%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : 1 In Gymnasium Room, 1 In Bunk Room</i>								
<i>Explanation : 2 Units</i>								
Window/Wall Unit	30%			2019	\$3,600	1		
No Component	40%							
Distribution								
Ductwork/Diffusers	30%			LIFE	**	2	\$2,400	
No Component	70%							
Heat Rejection								
Air Cooled Condenser Unit	30%			2024	\$2,100	2	\$1,300	
No Component	70%							
Ventilation								
Distribution								
Ductwork/Diffusers	40%			LIFE	**	2-5	\$1,400	
No Component	60%							
Exhaust Fans								
Interior	30%			2019	\$6,200	2	\$100	
Roof	10%			2024	\$1,000	2		
Wall Unit	20%			2019	\$400	2		
No Component	40%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2034	**	1		

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 307/LADDER CO. 154
Asset # : 13192

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Water Heater Gas Fired	100%			2019	\$3,600	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 74 Gallon Units</i>								
<hr/>								
	Sanitary Piping Cast Iron	100%	Now	\$2,100	LIFE	**	1	
<i>Blockage /Clogged, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<hr/>								
	Storm Drain Piping Cast Iron	100%	0-2	\$600	LIFE	**	1	
<i>Corroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<hr/>								
	Sump Pump(s) Non-Submersible	100%	Now	\$900	2034	**	4	\$100
<i>Not in Service, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<hr/>								
Fixtures								
	Generic	100%						
<i>Obsolete Fixtures, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
<hr/>								
Fire Suppression								
	Chemical System No Component Generic	98%			2019		1-3	\$100
<hr/>								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 308
Address : 107-12 LEFFERTS BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.308 / 13193 **Yr Built/Renovated** : 1926 / 2006
Area Sq Ft : 5,952 **Project Type** : FIRE DEPARTMENT
Date of Survey : 23-Jul-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 9598 **Lot** : 10 **BIN** : 4205407

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$153,700	\$112,700
Mechanical		\$41,500
Total	\$153,700	\$154,100
Importance Code A	\$153,700	\$112,700
Importance Code B		\$41,500
Total	\$153,700	\$154,100

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$64,700			
Interior Architecture		\$300	\$200	\$200
Electrical	\$4,200	\$400	\$5,600	\$400
Mechanical	\$19,900	\$800	\$900	\$4,200
Site Pavements	\$600			
Total	\$89,400	\$1,500	\$6,700	\$4,800
Importance Code A	\$65,300	\$600	\$600	\$600
Importance Code B	\$23,500	\$1,000	\$6,100	\$4,200
Importance Code C	\$600			
Total	\$89,400	\$1,500	\$6,700	\$4,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 308
Asset # : 13193

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	5%	Now	\$60,000	LIFE	**	5	\$5,300	1
<i>Diagonal Cracks, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Hose Tower</i>								
<i>Spalling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Hose Tower</i>								
<i>Vertical Cracks, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Hose Tower</i>								
Masonry: Brick	73%	Now	\$93,700	LIFE	**	5	\$15,600	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : East Facade At Door</i>								
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Overhead Door</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : North And South Facades</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : North And South Facades</i>								
Masonry: Granite	2%			LIFE	**	5	\$300	
Masonry: Limestone	10%	Now	\$23,200	LIFE	**	5	\$1,600	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Cornice</i>								
Wood Overhead Doors	10%			2028	\$67,300	5	\$10,700	
Windows								
Aluminum	100%			2039	**	5	\$1,900	
Parapets								
Masonry: Brick	90%	Now	\$27,100	LIFE	**	5	\$2,300	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Side Facades</i>								
Masonry: Limestone	5%	Now	\$1,400	LIFE	**	5	\$200	1
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Coping</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Coping</i>								
Pre-Cast Concrete	5%			LIFE	**	5	\$800	
Roof								
Modified Bitumen	95%			2028	\$45,300	10	\$7,800	
Skylight, Metal/Glass	5%	Now	\$12,100	2033	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Main Roof</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 308
Asset # : 13193

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	30%			LIFE	**	5	\$5,800	
Cast in Place Concrete	25%			LIFE	**	5	\$4,900	
Ceramic Tile	5%			2026	\$8,600	5	\$400	
Ceramic Tile	5%			2032	**	5	\$400	
Terrazzo	5%			LIFE	**	5	\$300	
Vinyl Tile	30%			2023	\$22,700	3	\$1,000	
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Gypsum Board	10%			LIFE	**	5	\$900	
Masonry: Brick	10%			LIFE	**			
Plaster	35%			LIFE	**	5	\$1,500	
SGFT/Glazed Masonry	35%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	5%			2028	\$3,600	5	\$400	
Cast in Place Concrete	35%			LIFE	**	5	\$900	
Exposed Struc: Steel	35%			LIFE	**			
Plaster	25%			LIFE	**	5	\$1,400	
Site Enclosure								
Fence/Gates								
Chain link	100%			2033	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2028	\$14,400			
Parking/Driveway								
Cast in Place Concrete	100%	4+	\$600	2028	\$12,700			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2043	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Switch Rated @ 200 Amperes</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2043	**	5	\$200	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 308
Asset # : 13193

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Raceway								
	Conduit	90%			2033	**	1	
	Conduit	10%			2043	**	1	
Panelboards								
	Molded Case Bkrs	90%			2031	**	5	\$100
	Molded Case Bkrs	10%			2039	**	5	
Wiring								
	Thermoplastic	90%			2033	**	1	
	Thermoplastic	10%			2043	**	1	
Ground								
Grounding Devices								
	Metal Water Pipe	100%			2036	**	5	\$200
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Stand-by Power								
Transfer Switches								
	Automatic	100%			2036	**	1	\$1,800
Generators								
	Diesel	100%			2032	**	1	\$2,300
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Emergency Generator Rated @ 80 Kw</i>								
Batteries								
	Lead/Acid	100%			2019	\$1,500	5	\$200
Fuel Storage								
	Main Tank	100%			2051	**	5	\$200
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : No Available Nameplate Rating Capacity</i>								
Lighting								
Interior Lighting								
	Fluorescent	10%			2019	\$1,600	10	\$500
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : T-12 Lamps</i>								
	Fluorescent	5%			2031	**	10	\$300
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Compact Fluorescent Lamps</i>								
	Fluorescent	85%			2031	**	10	\$4,600
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floors</i>								
<i>Explanation : T-8 Lamps</i>								
Exterior Lighting								
	HID	100%			2028	\$22,400	10	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 308
Asset # : 13193

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
Energy Source	Natural Gas	100%			2043	**	1	
Conversion Equipment	Steam Boiler	100%			2040	**	1	\$5,900
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution	Central Plant Steam Piping/Pmp	100%			2033	**	4	\$300
Terminal Devices	Convactor/Radiator	100%			2028	\$29,800	1	\$1,900
Air Conditioning								
Energy Source	Electricity	100%			2031	**	1	
Conversion Equipment	Window/Wall Unit	50%			2019	\$5,800	1	
	No Component	50%						
Ventilation								
Exhaust Fans	Interior	15%			2023	\$3,000	2	
	No Component	85%						
Plumbing								
H/C Water Piping	Brass/Copper	100%	Now	\$8,300	2023	\$41,500	1	
<i>Corroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Water Heater	Gas Fired	100%			2022	\$3,400	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : (1) 75 Gallon Unit</i>								
Sanitary Piping	Cast Iron	100%	Now	\$4,100	LIFE	**	1	
<i>Corroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)	Non-Submersible	100%			2019	\$800	4	\$200
Fixtures								
	Generic	100%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 309/LADDER CO. 159
Address : 1851 EAST 48th STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.309 / 13194 **Yr Built/Renovated** : 1927 /
Area Sq Ft : 4,930 **Project Type** : FIRE DEPARTMENT
Date of Survey : 29-May-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 8488 **Lot** : 16 **BIN** : 3239495

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$211,800	
Interior Architecture	\$151,600	
Site Pavements	\$43,000	
Total	\$406,400	
Importance Code A	\$211,800	
Importance Code B	\$151,600	
Importance Code C	\$43,000	
Total	\$406,400	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$80,500		\$9,700	
Interior Architecture	\$56,500			\$400
Electrical	\$18,600		\$17,500	\$27,000
Mechanical	\$5,800	\$600	\$3,700	\$600
Site Enclosure	\$26,600			
Site Pavements	\$13,900			
Total	\$201,900	\$700	\$30,900	\$28,100
Importance Code A	\$81,000	\$500	\$10,200	\$500
Importance Code B	\$43,600	\$200	\$20,700	\$27,600
Importance Code C	\$77,300			
Total	\$201,900	\$700	\$30,900	\$28,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 309/LADDER CO. 159
Asset # : 13194

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$175,300	LIFE	**	5	\$19,400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : South Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : South Facade</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%	Now	\$28,200	LIFE	**	5	\$1,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Facade West</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 2%</i>								
<i>Location : 2nd Floor Lintels</i>								
Wood Overhead Doors	15%			2036	**	5	\$19,400	
Windows								
Aluminum	100%	Now	\$15,500	2039	**	5	\$900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	30%	Now	\$14,200	LIFE	**	5	\$4,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	70%	Now	\$22,600	LIFE	**	5	\$1,300	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : South Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : South Facade</i>								
Roof								
Built-Up (BUR)	100%	0-2	\$36,500	2033	**			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Split/Cracked, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 309/LADDER CO. 159
Asset # : 13194

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$43,600	LIFE	**	5	\$9,200	
<i>Other Observation, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Steel Columns And Beams Shoring Apparatus Room Floor Above</i>								
Ceramic Tile	5%	Now	\$800	2032	**	5	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Quarry Tile	5%	Now	\$1,200	2036	**	5	\$300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	40%	Now	\$5,700	2028	\$28,500	3	\$1,300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Cast in Place Concrete	20%	Now	\$14,600	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Gypsum Board	20%	Now	\$500	LIFE	**	5	\$1,400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Plaster	30%	Now	\$8,300	LIFE	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Ladder To Roof</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Ladder To Roof And Bathroom</i>								
SGFT/Glazed Masonry	30%	Now	\$13,400	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceilings								
AcousTileSusp.Lay-In	30%	Now	\$2,000	2036	**	5	\$1,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Exposed Concrete	40%	Now	\$108,000	LIFE	**	5	\$500	
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Cellar</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Cellar</i>								
<i>Spalling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Cellar</i>								
Plaster	30%	Now	\$9,900	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Ladder To Roof</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Ladder To Roof And Dormitory</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 309/LADDER CO. 159
Asset # : 13194

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Site Enclosure								
Fence/Gates								
Chain link	30%	Now	\$9,800	2053		**		
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Wood	70%	Now	\$16,800	2028	\$16,800			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Wood Fence Attached To Chain link Gate</i>								
<i>Impact Damage, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Wood Fence Attached To Chain link Gate</i>								
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$13,900	2043		**		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Parking/Driveway								
Cast in Place Concrete	100%	Now	\$43,000	2043		**		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2023	\$4,800	5		
<i>Obsolete Equipment, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Amperes Main Disconnect Switch</i>								
Raceway								
Conduit	80%			2023	\$25,000	1		
Conduit	20%			2049	**	1		
Panelboards								
Fused Disc Sw	10%			2022	\$3,800	5		
Molded Case Bkrs	60%			2022	\$23,100	5	\$100	
Molded Case Bkrs	30%			2045	**	5		
Wiring								
Thermoplastic	80%			2023	\$22,200	1		
Thermoplastic	20%			2049	**	1		
Motor Controllers								
Locally Mounted	100%			2021	\$14,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 309/LADDER CO. 159
Asset # : 13194

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	70%			2031	**	10	\$3,200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floors</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	30%			2028	\$4,000	10	\$1,400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : T-8 Lamps</i>								
Egress Lighting								
Emergency, Service	35%			2031	**	1		
Emergency, Service	15%			2028	\$400	1		
No Component	50%							
Exterior Lighting								
HID	100%			2019	\$18,600	10		
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Natural Gas	100%			2043	**	1		
Conversion Equipment Steam Boiler	100%			2036	**	1	\$4,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution Central Plant Steam Piping/Pmp	100%			2033	**	4	\$200	
Terminal Devices Convactor/Radiator	100%			2028	\$24,700	1	\$1,600	
Air Conditioning								
Energy Source Electricity	100%			2039	**	1		
Conversion Equipment Window/Wall Unit	50%			2019	\$4,800	1		
No Component	50%							
Ventilation								
Distribution Ductwork/Diffusers	20%			LIFE	**	2-5	\$500	
No Component	80%							
Exhaust Fans								
Roof	40%			2031	**	2	\$100	
Wall Unit	25%			2023	\$400	2		
No Component	35%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 309/LADDER CO. 159
Asset # : 13194

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
H/C Water Piping Brass/Copper	100%			2049	**	1		
Water Heater Gas Fired	100%			2021	\$2,800	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units / 74 Gallons</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Submersible	100%	Now	\$200	2019	\$200	4	\$100	
<i>Not in Service, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Pit Filled With Water</i>								
Fixtures Generic	100%							

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 310/LADDER CO. 174
Address : 5105 SNYDER AVENUE @ E. 51 ST
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.310 / 13195 **Yr Built/Renovated** : 1927 / 2013
Area Sq Ft : 5,874 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Mar-2013 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 4699 **Lot** : 40 **BIN** : 3102909

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$151,400	
Interior Architecture	\$36,800	
Electrical	\$48,800	\$38,500
Total	\$237,100	\$38,500
Importance Code A	\$151,400	
Importance Code B	\$85,600	\$38,500
Total	\$237,100	\$38,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$53,000	\$800		
Interior Architecture	\$51,000			\$1,000
Electrical	\$7,000			\$14,400
Mechanical	\$13,100	\$1,100	\$1,600	\$4,500
Site Enclosure	\$24,900			
Site Pavements	\$3,400			
Total	\$152,400	\$2,000	\$1,600	\$19,900
Importance Code A	\$58,400	\$1,400	\$600	\$600
Importance Code B	\$21,900	\$500	\$1,100	\$19,300
Importance Code C	\$72,100			
Total	\$152,400	\$2,000	\$1,600	\$19,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 310/LADDER CO. 174

Asset # : 13195

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$151,400	LIFE	**	5	\$16,800	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Facade At Door</i>								
<i>Explanation : Lintel Over Door Rusted, Bricks At Support Points Bulging And Cracked</i>								
Masonry: Limestone	5%			LIFE	**	5	\$800	
Metal Sect. OHD	15%			2044	**	5	\$9,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Wall</i>								
<i>Explanation : Recent Replacement</i>								
Windows								
Aluminum	100%			2040	**	5	\$1,700	
Parapets								
Cast Stone/Terra Cotta	10%	0-2	\$2,600	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	85%	Now	\$30,400	LIFE	**	5	\$1,800	
<i>Diagonal Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	5%			LIFE	**	5	\$100	
Roof								
Built-Up (BUR)	100%	0-2	\$15,000	2029	**			
<i>Alligatoring, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Main Roof At Drains</i>								
Interior								
Floors								
Cast in Place Concrete	30%			LIFE	**	5	\$9,700	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	10%			2039	**	5	\$1,500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Quarry Tile	5%			2044	**	5	\$1,100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	55%			2034	**	3	\$4,100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 310/LADDER CO. 174
Asset # : 13195

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Cast in Place Concrete	20%			LIFE	**			
Ceramic Tile	5%			2039	**	5	\$600	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Gypsum Board	5%			LIFE	**	5	\$400	
Plaster	40%	Now	\$15,500	LIFE	**	5	\$1,500	
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor Locker Room</i>								
SGFT/Glazed Masonry	30%	2-4	\$28,000	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceilings								
AcousTileSusp.Lay-In	35%	0-2	\$4,900	2037	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Plaster	65%	Now	\$36,800	LIFE	**	5	\$3,500	
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor Locker Room - Throughout</i>								
Site Enclosure								
Fence/Gates								
Chain link	100%	0-2	\$24,900	2054	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	0-2	\$1,600	2037	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Parking/Driveway								
Cast in Place Concrete	100%	0-2	\$1,700	2037	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%	2-4	\$4,800	2054	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Electrical Room</i>								
<i>Explanation : 200 Amperes Switch Has Outside Enclosure Rust, Not Penetrating Metal Cabinet</i>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 310/LADDER CO. 174
Asset # : 13195

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Switchgear / Switchboard Molded Case Bkrs	100%	2-4	\$48,800	2054	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Electric Room</i>								
<i>Explanation : External Rust On Cabinet</i>								
Raceway								
Conduit	80%			2024	\$25,000	1		
Conduit	20%			2044	**	1		
Panelboards								
Molded Case Bkrs	100%			2023	\$38,500	5	\$200	
Wiring								
Thermoplastic	100%			2024	\$27,700	1		
Motor Controllers								
Locally Mounted	100%			2022	\$14,400	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Boiler Room</i>								
<i>Explanation : Controls For Heating System</i>								
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Main</i>								
Lighting								
Interior Lighting Fluorescent	90%			2034	**	10	\$4,800	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout Firehouse</i>								
<i>Explanation : T-8 Lamps Installed</i>								
Fluorescent	10%			2019	\$1,600	10	\$500	
Exterior Lighting HID	100%			2024	\$22,100	10		
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Natural Gas	100%			2044	**	1		
Conversion Equipment Steam Boiler	100%			2037	**	1	\$5,800	

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FIRE DEPARTMENT - 057
ENGINE CO. 310/LADDER CO. 174
Asset # : 13195

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Distribution								
Central Plant Steam Piping/Pmp	100%	0-2	\$9,300	2034	**	4	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : First Floor</i>								
<i>Explanation : Converted From One Pipe To Two Pipe System. This Change Is Causing Problems On The Upper Floor</i>								
Terminal Devices								
Convector/Radiator	100%			2029	**	1	\$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2040	**	1		
Conversion Equipment								
Split Unit	10%			2034	**			
<i>Recent Installation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Window/Wall Unit	20%			2019	\$2,300	1		
No Component	70%							
Ventilation								
Distribution								
Ductwork/Diffusers	25%			LIFE	**	2-5	\$800	
Ductwork/Diffusers	25%			LIFE	**	2-5	\$800	
No Component	50%							
Exhaust Fans								
Roof	25%	0-2	\$200	2024	\$2,300	2		
<i>Malfunctioning, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Defective Toilet Exhaust Fan</i>								
Roof	50%			2032	**	2	\$100	
Wall Unit	25%			2032	**	2		
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2034	**	1		
Water Heater								
Gas Fired	100%			2022	\$3,400	2	\$100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : One 74 Gallon Unit / Old Unit Remaining In Corner</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2019	\$200	4	\$200	
Backflow Preventer								
Generic	100%			2029	**	1	\$400	
Fixtures								
Generic	100%							

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FIRE DEPARTMENT - 057
ENGINE CO. 310/LADDER CO. 174
Asset # : 13195

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Chemical System							
	Generic	100%			2024	\$1,900	1-3	\$3,700

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 311/LADDER CO. 158
Address : 145-50 SPRINGFIELD BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.311 / 13196 **Yr Built/Renovated** : 1927 / 2006
Area Sq Ft : 5,780 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Aug-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 13361 **Lot** : 200 **BIN** : 4286093

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$114,900
Interior Architecture	\$72,400	
Electrical	\$30,800	\$48,800
Total	\$103,200	\$163,700
Importance Code A		\$114,900
Importance Code B	\$103,200	\$48,800
Total	\$103,200	\$163,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$11,600		\$2,600	
Interior Architecture	\$94,300			\$600
Electrical	\$65,200		\$14,400	\$100
Mechanical	\$4,800	\$800	\$12,600	\$4,100
Total	\$175,800	\$800	\$29,700	\$4,800
Importance Code A	\$13,300	\$600	\$3,200	\$600
Importance Code B	\$133,400	\$200	\$26,500	\$4,200
Importance Code C	\$29,000			
Total	\$175,800	\$800	\$29,700	\$4,800



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 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 311/LADDER CO. 158
Asset # : 13196

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Masonry: Brick	70%			LIFE	**	5	\$14,800		
Masonry: Granite	2%			LIFE	**	5	\$300		
Masonry: Limestone	8%			LIFE	**	5	\$1,300		
Stucco Cement	10%			2036	**	5	\$5,300		
Wood Overhead Doors	10%	0-2	\$3,300	2028	\$66,600	5	\$5,300		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
Windows									
Aluminum	100%	0-2	\$7,400	2039	**	5	\$900		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 20%</i>									
<i>Location : Throughout</i>									
Parapets									
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,400		
Masonry: Brick	90%			LIFE	**	5	\$1,600		
Roof									
Modified Bitumen	97%			2028	\$48,300	10	\$8,300		
Skylight, Metal/Glass	3%			2049	**	10	\$900		
Interior									
Floors									
Cast in Place Concrete	40%	Now	\$21,600	LIFE	**	5	\$7,600		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Apparatusfloor And Ceiling Below In Cellar</i>									
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Apparatus Floor</i>									
<i>Explanation : Structurally Insufficient</i>									
Ceramic Tile	5%			2032	**	5	\$400		
Quarry Tile	15%	0-2	\$3,700	2036	**	5	\$1,000		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
Vinyl Tile	40%	Now	\$8,800	2019	\$29,400	3	\$1,300		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>									
<i>Location : Throughout</i>									

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 311/LADDER CO. 158
Asset # : 13196

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Cast in Place Concrete	20%	0-2	\$15,600	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%	0-2	\$1,700	2032	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Plaster	45%	0-2	\$4,500	LIFE	**	5	\$1,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
SGFT/Glazed Masonry	30%	0-2	\$7,200	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceilings								
AcousTileSusp.Lay-In	5%	0-2	\$1,800	2028	\$3,600	5	\$200	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
Exposed Concrete	25%	Now	\$72,400	LIFE	**	5	\$400	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Underside Of Apparatus Floor Slab In Cellar</i>								
<i>Explanation : Structurally Insufficient</i>								
Exposed Concrete	30%			LIFE	**	5	\$400	
Plaster	40%			LIFE	**	5	\$2,300	
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2023	\$4,800	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : No Rating Available</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2023	\$48,800	5	\$200	
Raceway								
Conduit	20%			2049	**	1		
Conduit	80%			2023	\$25,000	1		
Panelboards								
Molded Case Bkrs	20%			2045	**	5		
Molded Case Bkrs	80%			2022	\$30,800	5	\$100	

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FIRE DEPARTMENT - 057
ENGINE CO. 311/LADDER CO. 158
Asset # : 13196

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Wiring								
Braided Cloth	80%	0-2	\$22,200	2048	**	1		
<i>Insulation Aged, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Thermoplastic	20%			2049	**	1		
Motor Controllers								
Locally Mounted	100%			2021	\$14,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Main</i>								
Lighting								
Interior Lighting								
Fluorescent	95%	Now	\$4,500	2019	\$14,900			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-8 And T-12</i>								
Incandescent	5%			2019	\$1,900	2		
Exterior Lighting								
HID	100%			2019	\$21,800	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Steam Boiler	100%	Now	\$1,700	2036	**	1	\$5,100	
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2033	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2028	\$28,900	1	\$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Window/Wall Unit	100%			2021	\$11,300	1		
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$3,200	

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FIRE DEPARTMENT - 057
ENGINE CO. 311/LADDER CO. 158
Asset # : 13196

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
	Exhaust Fans							
	Interior	100%			2023	\$19,200	2	\$200
Plumbing								
	H/C Water Piping							
	Galvanized Steel	100%			2028	\$23,700	1	
	Water Heater							
	Gas Fired	100%			2022	\$3,300	2	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 Units</i>					
	Sanitary Piping							
	Cast Iron	100%	Now	\$2,000	LIFE	**	1	
			<i>Leak Evident, Extent : Moderate, Area Affected : 15%</i>					
			<i>Location : Basement When It Rains</i>					
	Storm Drain Piping							
	Cast Iron	100%	Now	\$600	LIFE	**	1	
			<i>Leak Evident, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Basement, High Water Table</i>					
	Sump Pump(s)							
	Submersible	100%			2019	\$200	4	\$200
	Fixtures							
	Generic	100%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 312
Address : 22-63 35th STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.312 / 13197 **Yr Built/Renovated** : 1928 /
Area Sq Ft : 4,590 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Jul-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 822 **Lot** : 7 **BIN** : 4016405

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$73,700
Total		\$73,700
Importance Code A		\$73,700
Total		\$73,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$25,200			
Interior Architecture	\$16,900		\$100	\$700
Electrical	\$100	\$100	\$4,200	
Mechanical	\$1,100	\$600	\$5,100	\$3,200
Total	\$43,200	\$700	\$9,400	\$4,000
Importance Code A	\$25,700	\$500	\$500	\$500
Importance Code B	\$14,700	\$200	\$8,900	\$2,900
Importance Code C	\$2,900			\$600
Total	\$43,200	\$700	\$9,400	\$4,000



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FIRE DEPARTMENT - 057
ENGINE CO. 312
Asset # : 13197

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Exterior									
Exterior Walls									
Masonry: Brick	75%			LIFE	**	5	\$12,900		
Masonry: Granite	8%			LIFE	**	5	\$1,000		
Masonry: Limestone	10%	0-2	\$18,800	LIFE	**	5	\$1,300		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>									
<i>Location : Throughout</i>									
Wood Overhead Doors	7%	0-2	\$3,800	2028	\$38,000	5	\$3,000		
<i>Deteriorated Finish, Extent : Light, Area Affected : 20%</i>									
<i>Location : Throughout</i>									
Windows									
Aluminum	100%			2039	**	5	\$400		
Parapets									
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$500		
Masonry: Brick	90%			LIFE	**	5	\$600		
Roof									
Modified Bitumen	95%			2028	\$35,600	10	\$6,100		
Skylight, Metal/Glass	5%	0-2	\$2,400	2033	**				
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>									
<i>Location : Throughout</i>									
Interior									
Floors									
Cast in Place Concrete	50%	0-2	\$1,800	LIFE	**	5	\$7,500		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
Ceramic Tile	13%	0-2	\$900	2032	**	5	\$400		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>									
<i>Location : Throughout</i>									
Terrazzo	4%	0-2	\$600	LIFE	**	5	\$200		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
Traffic Topping	20%	Now	\$900	2023	\$17,000	5	\$900		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
Vinyl Tile	13%	Now	\$7,600	2033	**	3	\$300		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>									
<i>Location : Throughout</i>									

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 312
Asset # : 13197

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	25%			LIFE	**			
Ceramic Tile	13%			2032	**	5	\$1,200	
Gypsum Board	10%	0-2	\$200	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Marble Panels	7%	0-2	\$2,700	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Plaster	25%			LIFE	**	5	\$700	
SGFT/Glazed Masonry	20%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	7%	Now	\$2,300	2028	\$3,900	5	\$200	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Female Bathroom</i>								
AcousTileSusp.Lay-In	3%			2036	**	5	\$200	
Exposed Struc: Steel	30%			LIFE	**			
Gypsum Board	20%			LIFE	**	5	\$1,700	
Plaster	40%			LIFE	**	5	\$1,700	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2049	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : No Rating Available</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2049	**	5		
Raceway								
Conduit	100%			2033	**	1		
Panelboards								
Molded Case Bkrs	100%			2045	**	5	\$100	
Wiring								
Thermoplastic	100%			2033	**	1		
Motor Controllers								
Locally Mounted	100%			2040	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Main</i>								

Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 312
Asset # : 13197

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	99%			2031	**	10	\$4,200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-8 And T-12 Lamps</i>								
Incandescent	1%			2023	\$300	2		
Egress Lighting Exit, Service	100%			2028	\$500	1		
Exterior Lighting HID	100%			2028	\$17,300	10		
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Natural Gas	100%			2049	**	1		
Conversion Equipment Steam Boiler	100%			2040	**	1	\$4,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution Central Plant Steam Piping/Pmp	100%			2043	**	4	\$300	
Terminal Devices Convactor/Radiator	100%			2036	**	1	\$1,500	
Air Conditioning								
Energy Source Electricity	100%			2039	**	1		
Conversion Equipment Window/Wall Unit	50%			2021	\$4,500	1		
No Component	50%							
Ventilation								
Distribution Ductwork/Diffusers	15%			LIFE	**	2-5	\$400	
No Component	85%							
Exhaust Fans Roof	15%			2028	\$1,100	2		
Wall Unit	10%			2023	\$200	2		
No Component	75%							
Plumbing								
H/C Water Piping Brass/Copper	100%			2043	**	1		

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 312
Asset # : 13197

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing	Water Heater Gas Fired	100%			2022	\$2,600	2	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Two 75 Gallon Units</i>					
Sanitary Piping	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%	Now	\$200	LIFE	**	1	
			<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>					
			<i>Location : Water Backs Up When It Rains</i>					
Sump Pump(s)	Submersible	100%			2019	\$100	4	\$100
Fixtures	Generic	100%						

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 313/LADDER CO. 164
Address : 44-01 244th STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.313 / 13198 **Yr Built/Renovated** : 1929 /
Area Sq Ft : 6,942 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Mar-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 8112 **Lot** : 192 **BIN** : 4168901

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$77,700
Electrical		\$71,800
Total		\$149,500
Importance Code A		\$77,700
Importance Code B		\$71,800
Total		\$149,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$26,600			
Interior Architecture	\$43,000	\$400	\$900	\$400
Electrical	\$34,000	\$500	\$400	\$400
Mechanical	\$15,600	\$900	\$900	\$900
Total	\$119,300	\$1,800	\$2,300	\$1,700
Importance Code A	\$32,100	\$700	\$700	\$700
Importance Code B	\$65,900	\$1,100	\$1,600	\$600
Importance Code C	\$21,300			\$400
Total	\$119,300	\$1,800	\$2,300	\$1,700



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 313/LADDER CO. 164
Asset # : 13198

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	10%			2033	**	10	\$800	
Masonry: Brick	80%			LIFE	**	5	\$19,400	
Masonry: Limestone	5%			LIFE	**	5	\$900	
Wood Overhead Doors	5%			2028	\$38,300	5	\$6,100	
Windows								
Aluminum	100%	0-2	\$3,500	2045	**	5	\$800	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$3,500	
Masonry: Brick	80%	0-2	\$20,900	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Parapet</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Parapet</i>								
Roof								
Asphalt Shingle	20%	0-2	\$1,200	2026	\$5,800			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Where Asphalt Roof Meets Brick Exterior Wall</i>								
Modified Bitumen	10%	0-2	\$1,000	2023	\$4,900			
<i>Vegetation Growth, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Lower Roof</i>								
Modified Bitumen	70%			2023	\$34,400	10	\$5,900	
Interior								
Floors								
Cast in Place Concrete	55%			LIFE	**	5	\$12,700	
<i>Other Observation, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Front Of Basement</i>								
<i>Explanation : Water Stains / Damage Due To Water Penetrations From Walls</i>								
Ceramic Tile	10%			2026	\$20,500	5	\$1,100	
Quarry Tile	5%			2036	**	5	\$800	
Vinyl Tile	30%			2023	\$26,900	3	\$1,200	
Interior Walls								
Cast in Place Concrete	20%	Now	\$18,400	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Ceramic Tile	5%			2032	**	5	\$700	
Plaster	50%	Now	\$2,900	LIFE	**	5	\$2,200	
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								
SGFT/Glazed Masonry	25%			LIFE	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 313/LADDER CO. 164

Asset # : 13198

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

AcousTileSusp.Lay-In	10%	0-2	\$5,100	2040	**	5	\$500	
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Worn/Eroded, Extent : Moderate, Area Affected : 100%
Location : Kitchen

Exposed Concrete	25%			LIFE	**	5	\$400	
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Exposed Struc: Steel	25%			LIFE	**			
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Plaster	40%	Now	\$16,600	LIFE	**	5	\$2,600	
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Water Penetration, Extent : Severe, Area Affected : 20%
Location : 2nd Floor Back And Engine Office

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%	0-2	\$4,800	2053	**	5	\$100	
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Enclosure Corroded, Extent : Moderate, Area Affected : 50%
Location : Basement Electrical Service Area

Suspect Water Damage, Extent : Moderate, Area Affected : 50%
Location : Basement Electrical Service Area

Raceway

Conduit	25%	0-2	\$7,800	2053	**	1		
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Corroded, Extent : Moderate, Area Affected : 25%
Location : Basement

Covers Missing, Extent : Moderate, Area Affected : 25%
Location : Basement

Conduit	75%			2043	**	1		
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Other Observation, Extent : Light, Area Affected : 100%
Location : 1st And 2nd Floors
Explanation : Showing Wear Due To Regular Usage

Panelboards

Molded Case Bkrs	50%	0-2	\$19,200	2048	**	5		
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Enclosure Corroded, Extent : Moderate, Area Affected : 50%
Location : Basement Electrical Service Area

Suspect Water Damage, Extent : Moderate, Area Affected : 50%
Location : Basement Electrical Service Area

Molded Case Bkrs	50%			2039	**	5	\$100	
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Other Observation, Extent : Light, Area Affected : 100%
Location : 2nd Floor By Stair. Access Obstructed.
Explanation : Showing Wear Due To Regular Usage

Wiring

Thermoplastic	100%			2033	**	1		
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FIRE DEPARTMENT - 057
ENGINE CO. 313/LADDER CO. 164
Asset # : 13198

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2028	\$14,400	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Roll- Up Gate</i>								
<i>Explanation : Showing Wear Due To Regular Usage</i>								
<hr/>								
Stand-by Power								
Batteries								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : 1st Floor - Voice Alarm Panel</i>								
<i>Explanation : Showing Wear Due To Regular Usage</i>								
<hr/>								
Lighting								
Interior Lighting								
Fluorescent	9%	Now	\$1,700	2033		**		
<i>Damaged Fixtures, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	43%			2028	\$8,100	10	\$2,700	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fluorescent	43%			2028	\$8,100	10	\$2,700	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	5%			2023	\$2,200	2		
Exterior Lighting								
HID	100%			2023	\$26,200	10		
<hr/>								
Alarm								
Fire/Smoke Detection								
Generic	100%			2023	\$71,800	1-3	\$4,300	
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement And 2nd Floor Entrance To Sleeping Room</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2043		**	1	
Conversion Equipment								
Steam Boiler	100%			2036		**	1	\$6,900
Distribution								
Hot Wtr Piping/Pump	100%			2031		**	4	\$500
Terminal Devices								
Convactor/Radiator	100%			2028	\$34,800	1	\$2,200	
<hr/>								
Air Conditioning								
Energy Source								
Electricity	100%			2039		**	1	

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FIRE DEPARTMENT - 057
ENGINE CO. 313/LADDER CO. 164
Asset # : 13198

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Window/Wall Unit	75%			2019	\$10,100	1	
	No Component	25%						
Ventilation								
Exhaust Fans								
	Interior	20%			2023	\$4,600	2	
	No Component	80%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2033	**	1	
	<i>No Water Meter, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
Water Heater								
	Gas Fired	100%			2019	\$4,000	2	\$100
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 2 - 75 Gallon Units</i>							
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2019	\$200	4	\$200
Sewage Ejector(s)								
	Electric	100%			2023	\$1,900	4	\$400
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Light Duty / Serves Basement Bathroom Only / Connected With Extension Cord</i>							
Backflow Preventer								
	No Component	95%						
	Generic	5%			2028	\$100	1	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Serves Boiler Only</i>							
Fixtures								
	Generic	100%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 314
Address : 142-04 BROOKVILLE BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.314 / 13199 **Yr Built/Renovated** : 1929 /
Area Sq Ft : 6,128 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Aug-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 13538 **Lot** : 15 **BIN** : 4287743

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$59,900	
Interior Architecture	\$102,700	
Total	\$162,600	
Importance Code A	\$59,900	
Importance Code B	\$102,700	
Total	\$162,600	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture			\$13,700	
Interior Architecture	\$84,600		\$1,400	\$300
Electrical	\$23,100		\$100	\$5,500
Mechanical	\$14,600	\$800	\$4,800	\$800
Total	\$122,300	\$800	\$20,000	\$6,700
Importance Code A	\$600	\$600	\$14,300	\$600
Importance Code B	\$106,400	\$200	\$5,100	\$6,100
Importance Code C	\$15,400		\$600	
Total	\$122,300	\$800	\$20,000	\$6,700



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FIRE DEPARTMENT - 057
ENGINE CO. 314
Asset # : 13199

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	85%	0-2	\$59,900	LIFE	**	5	\$19,900	
<i>Paint Peeling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Facade Next To Door</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Facade Next To Door</i>								
Masonry: Granite	2%			LIFE	**	5	\$400	
Masonry: Limestone	5%			LIFE	**	5	\$900	
Wood Overhead Doors	8%			2036	**	5	\$9,400	
Windows								
Aluminum	100%			2031	**	5	\$1,900	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,600	
Masonry: Brick	90%			LIFE	**	5	\$1,900	
Roof								
Modified Bitumen	100%			2031	**	10	\$8,100	
Interior								
Floors								
Cast in Place Concrete	55%	Now	\$30,400	LIFE	**	5	\$10,700	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor Slab</i>								
<i>Explanation : Structurally Insufficient</i>								
Ceramic Tile	10%			2036	**	5	\$900	
Quarry Tile	4%			2036	**	5	\$500	
Vinyl Tile	30%	0-2	\$6,800	2019	\$22,600	3	\$1,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Office At North / East</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Offices</i>								
Wood	1%			2051	**	5	\$200	
Interior Walls								
Ceramic Tile	10%			2036	**	5	\$1,200	
Gypsum Board	10%			LIFE	**	5	\$700	
Masonry: Brick	20%	0-2	\$9,500	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Plaster	30%	0-2	\$5,900	LIFE	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
SGFT/Glazed Masonry	30%			LIFE	**			

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 314
Asset # : 13199

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
Exposed Concrete	60%	Now	\$102,700	LIFE	**	5	\$800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar, Below Apparatus Slab</i>								
<i>Explanation : Structurally Insufficient</i>								
Metal Panel	10%	0-2	\$5,900	LIFE	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Plaster	30%	0-2	\$3,500	LIFE	**	5	\$1,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2033	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 200 Amperes</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2033	**	5		
Raceway								
Conduit	100%			2033	**	1		
Panelboards								
Molded Case Bkrs	100%			2031	**	5	\$200	
Wiring								
Braided Cloth	20%			2022	\$5,500	1		
Thermoplastic	80%			2033	**	1		

Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Main</i>								
Lighting								
Interior Lighting								
Fluorescent	100%			2023	\$16,600	10	\$5,600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-8 And T-12 Lamps</i>								
Exterior Lighting								
HID	100%			2019	\$23,100	10		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 314
Asset # : 13199

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Steam Boiler	100%			2036	**	1	\$6,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2043	**	4	\$500	
Terminal Devices								
Convactor/Radiator	100%			2028	\$30,700	1	\$2,000	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Window/Wall Unit	100%			2019	\$11,900	1		
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$3,400	
Exhaust Fans								
Interior	100%			2028	\$20,400	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2043	**	1		
Water Heater								
Gas Fired	100%			2021	\$3,500	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Sanitary Piping								
Cast Iron	100%	Now	\$800	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : House Trap</i>								
Storm Drain Piping								
Cast Iron	100%	Now	\$600	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : House Trap</i>								
Sump Pump(s)								
Submersible	100%			2019	\$200	4	\$200	
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 315/LADDER CO. 125
Address : 159-06 UNION TURNPIKE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.315 / 13200 **Yr Built/Renovated** : 1929 / 2012
Area Sq Ft : 5,948 **Project Type** : FIRE DEPARTMENT
Date of Survey : 09-Aug-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 6854 **Lot** : 28 **BIN** : 4148377

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$136,900	
Total	\$136,900	
Importance Code A	\$136,900	
Total	\$136,900	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$26,900			
Interior Architecture	\$38,500		\$600	\$900
Electrical	\$9,400		\$14,400	\$38,600
Mechanical	\$16,300	\$800	\$1,300	\$4,200
Total	\$91,100	\$800	\$16,200	\$43,700
Importance Code A	\$27,500	\$600	\$600	\$600
Importance Code B	\$30,400	\$200	\$15,600	\$42,500
Importance Code C	\$33,300			\$600
Total	\$91,100	\$800	\$16,200	\$43,700



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 315/LADDER CO. 125
Asset # : 13200

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	5%	0-2	\$14,700	LIFE	**	5	\$8,100	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Front Facade</i>								
Masonry: Brick	85%	0-2	\$53,200	LIFE	**	5	\$17,700	
<i>Recent Repair Evident, Extent : Light, Area Affected : 20%</i>								
<i>Location : Repointing Throughout, 2012</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Around The Building Base, Rear Facade</i>								
Masonry: Granite	5%	0-2	\$12,300	LIFE	**	5	\$800	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout Front Facade</i>								
Wood Overhead Doors	5%			2028	\$32,800	5	\$5,200	
Windows								
Aluminum	100%	Now	\$83,800	2048	**	5	\$1,000	
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$2,100	
Masonry: Brick	90%			LIFE	**	5	\$2,400	
<i>Recent Repair Evident, Extent : Light, Area Affected : 50%</i>								
<i>Location : Repointing Throughout, 2012</i>								
Roof								
Single Ply Membrane	100%			2033	**	10	\$8,500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout, 2012</i>								
Interior								
Floors								
Cast in Place Concrete	55%			LIFE	**	5	\$11,000	
<i>Ponding, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Basement</i>								
Ceramic Tile	5%			2026	\$8,900	5	\$500	
Quarry Tile	5%			2036	**	5	\$700	
Terrazzo	5%			LIFE	**	5	\$400	
Vinyl Tile	30%	4+	\$4,700	2023	\$23,400	3	\$1,000	
<i>Worn/Eroded, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout 2nd Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 315/LADDER CO. 125
Asset # : 13200

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	10%			2032	**	5	\$1,200	
Masonry: Brick	25%			LIFE	**			
Marble Panels	5%			LIFE	**			
Plaster	30%	Now	\$5,700	LIFE	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor Dormitory South Wall</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor Dormitory South Wall</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Dormitory South Wall</i>								
SGFT/Glazed Masonry	30%	0-2	\$27,600	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout Garage Area</i>								
Ceilings								
AcousTileSusp.Lay-In	10%	0-2	\$400	2036	**	5	\$500	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Kitchen</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Exposed Struc: Steel	30%			LIFE	**			
Gypsum Board	5%	Now	\$200	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 1st Floor Bathroom</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Bathroom</i>								
Plaster	55%			LIFE	**	5	\$3,200	
<i>Recent Repair Evident, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout 2nd Floor, 2012</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2023	\$4,800	5		
Raceway								
Conduit	95%			2023	\$29,700	1		
Conduit	5%			2043	**	1		
Panelboards								
Fused Disc Sw	10%			2022	\$3,800	5		
Molded Case Bkrs	90%			2022	\$34,600	5	\$100	

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 315/LADDER CO. 125
Asset # : 13200

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Wiring								
Braided Cloth	30%	2-4	\$8,300	2048	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Thermoplastic	60%			2023	\$16,600	1		
Thermoplastic	10%			2043	**	1		
Motor Controllers								
Locally Mounted	100%			2021	\$14,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	95%			2028	\$15,300	10	\$5,200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	5%			2019	\$800	10	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : T-12 Lamps</i>								
Exterior Lighting								
HID	100%			2023	\$22,400	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Steam Boiler	100%			2040	**	1	\$5,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2043	**	4	\$400	
Terminal Devices								
Convactor/Radiator	100%			2036	**	1	\$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2045	**	1		
Conversion Equipment								
Window/Wall Unit	100%			2019	\$11,600	1		
Ventilation								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 315/LADDER CO. 125
Asset # : 13200

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$3,300	
Exhaust Fans								
Interior	100%			2023	\$19,800	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2049	**	1		
Water Heater								
Gas Fired	100%			2022	\$3,400	2	\$100	
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%	Now	\$3,500	LIFE	**	1		
<i>Leak Evident, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Cellar</i>								
Sump Pump(s)								
Submersible	100%			2019	\$200	4	\$200	
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 316
Address : 27-12 KEARNEY STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.316 / 13201 **Yr Built/Renovated** : 1929 / 2009
Area Sq Ft : 6,128 **Project Type** : FIRE DEPARTMENT
Date of Survey : 16-Jul-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1658 **Lot** : 5 **BIN** : 4041276

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$151,000	\$117,500
Interior Architecture		\$34,300
Electrical		\$48,800
Total	\$151,000	\$200,600
Importance Code A	\$151,000	\$117,500
Importance Code B		\$83,100
Total	\$151,000	\$200,600

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$11,300			
Interior Architecture	\$24,200	\$500	\$1,100	\$100
Electrical	\$30,300		\$100	
Mechanical	\$8,300	\$800	\$4,600	\$800
Total	\$74,100	\$1,300	\$5,700	\$900
Importance Code A	\$12,000	\$600	\$600	\$600
Importance Code B	\$61,200	\$700	\$4,500	\$300
Importance Code C	\$1,000		\$600	
Total	\$74,100	\$1,300	\$5,700	\$900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 316
Asset # : 13201

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$112,000	LIFE	**	5	\$18,600	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : West Facade, North Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : North And West Facades</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Foundation</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : North And West Facades</i>								
Masonry: Limestone	10%			LIFE	**	5	\$1,900	
Wood Overhead Doors	15%			2028	\$117,500	5	\$18,600	
Windows								
Aluminum	100%			2039	**	5	\$1,800	
Parapets								
Masonry: Brick	90%	Now	\$10,400	LIFE	**	5	\$1,800	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Corners</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : West Facade, North Facade</i>								
Masonry: Limestone	5%			LIFE	**	5	\$100	
Pre-Cast Concrete	5%			LIFE	**	5	\$600	
Roof								
Built-Up (BUR)	100%	Now	\$39,000	2033	**			1
<i>Blisters, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Drains Inad/Misposn, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Over Second Floor Office</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Over Second Floor Office</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	35%			LIFE	**	5	\$6,900	
Ceramic Tile	10%			2036	**	5	\$900	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Restrooms</i>								
Vinyl Tile	45%			2023	\$34,300	3	\$1,500	
Vinyl Tile	10%	Now	\$7,600	2033	**	3	\$300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Second Floor Dormitory</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 316
Asset # : 13201

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	10%			2036	**	5	\$1,200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Restrooms</i>								
Gypsum Board	15%			LIFE	**	5	\$1,100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Second Floor</i>								
Masonry: Brick	15%			LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Plaster	5%	Now	\$1,000	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Office</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor Office</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Second Floor Office</i>								
Plaster	25%			LIFE	**	5	\$900	
SGFT/Glazed Masonry	30%			LIFE	**			
Ceilings								
Exposed Concrete	25%	Now	\$14,400	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Support Of Aparatus Floor Is Reinforced With Lally Columns</i>								
Plaster	70%			LIFE	**	5	\$3,900	
Plaster	5%	Now	\$1,200	LIFE	**	5	\$300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Second Floor Office</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Second Floor Office</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2023	\$4,800	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Switch Rated @ 200 Amperes</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2023	\$48,800	5	\$200	

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 316
Asset # : 13201

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	20%			2033	**	1		
Conduit	80%			2023	\$25,000	1		
Panelboards								
Molded Case Bkrs	100%			2031	**	5	\$200	
Wiring								
Thermoplastic	100%			2033	**	1		
Ground								
Grounding Devices								
Generic	100%	0-2	\$9,500	LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded</i>								
Lighting								
Interior Lighting								
Fluorescent	90%			2019	\$14,900	10	\$5,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-12 Lamps</i>								
Fluorescent	8%			2023	\$1,300	10	\$500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : T-8 Lamps</i>								
Incandescent	2%			2019	\$800	2		
Exterior Lighting								
HID	100%			2023	\$23,100	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Steam Boiler	100%			2040	**	1	\$6,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2033	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2036	**	1	\$2,000	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 316
Asset # : 13201

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Conversion Equipment								
	Window/Wall Unit	60%		2019	\$7,200	1		
	No Component	40%						
Ventilation								
Distribution								
	Ductwork/Diffusers	25%		LIFE	**	2-5	\$900	
	No Component	75%						
Exhaust Fans								
	Interior	15%		2023	\$3,100	2		
	Roof	10%		2023	\$1,000	2		
	No Component	75%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%		2033	**	1		
Water Heater								
	Gas Fired	100%		2021	\$3,500	2	\$100	
Sanitary Piping								
	Cast Iron	100%		LIFE	**	1		
Storm Drain Piping								
	Cast Iron	100%		LIFE	**	1		
Sump Pump(s)								
	Submersible	100%		2019	\$200	4	\$200	
Fixtures								
	Generic	100%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 317/LADDER CO. 165
Address : 117-11 196th STREET @ LINDEN BLVD.
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.317 / 13202 **Yr Built/Renovated** : 1929 / 2011
Area Sq Ft : 6,128 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Aug-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 12617 **Lot** : 40 **BIN** : 4271743

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$49,200
Total		\$49,200
Importance Code A		\$49,200
Total		\$49,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$25,100		\$2,600	
Interior Architecture	\$43,000		\$700	\$300
Electrical	\$2,100	\$1,000	\$400	\$400
Mechanical	\$7,300	\$1,000	\$11,600	\$1,000
Total	\$77,500	\$2,000	\$15,300	\$1,700
Importance Code A	\$25,700	\$600	\$3,200	\$600
Importance Code B	\$36,900	\$1,400	\$12,100	\$1,100
Importance Code C	\$14,900			
Total	\$77,500	\$2,000	\$15,300	\$1,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 317/LADDER CO. 165
Asset # : 13202

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	88%			LIFE	**	5	\$18,300	
Masonry: Granite	2%			LIFE	**	5	\$300	
Masonry: Limestone	5%			LIFE	**	5	\$800	
Wood Overhead Doors	5%			2036	**	5	\$5,200	
Windows								
Aluminum	100%	2-4	\$25,100	2031	**	5	\$1,000	2
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$2,100	
Masonry: Brick	90%			LIFE	**	5	\$2,400	
Roof								
Modified Bitumen	100%			2028		10	\$8,500	
Interior								
Floors								
Cast in Place Concrete	50%	0-2	\$4,800	LIFE	**	5	\$10,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	15%			2038	**	5	\$1,400	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout 2011</i>								
Terrazzo	5%			LIFE	**	5	\$400	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout 2011</i>								
Vinyl Tile	25%	0-2	\$3,900	2019		3	\$900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Wood	5%			2051	**	5	\$900	
Interior Walls								
Cast in Place Concrete	10%	0-2	\$3,800	LIFE	**			
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	10%			2038	**	5	\$1,200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	10%	0-2	\$2,300	LIFE	**			
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Plaster	40%	0-2	\$1,900	LIFE	**	5	\$1,400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
SGFT/Glazed Masonry	30%	0-2	\$6,900	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 317/LADDER CO. 165

Asset # : 13202

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

AcousTileSusp.Lay-In	5%			2036	**	5	\$500	
Exposed Concrete	70%			LIFE	**	5	\$1,000	
Plaster	25%			LIFE	**	5	\$1,400	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2043	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 200 Amperes</i>								

Switchgear / Switchboard

Molded Case Bkrs	100%			2043	**	5	\$200	
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Raceway

Conduit	100%			2043	**	1		
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Panelboards

Molded Case Bkrs	100%			2039	**	5	\$200	
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Wiring

Thermoplastic	100%			2043	**	1		
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Motor Controllers

Locally Mounted	100%			2028		5	\$14,400	
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Main</i>								

Stand-by Power

Transfer Switches

Automatic	100%			2040	**	1	\$1,900	
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Generators

Diesel	100%			2036	**	1	\$2,400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Back Yard</i>								
<i>Explanation : 80 Kva</i>								

Batteries

Lead/Acid	100%			2019		5	\$200	
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Fuel Storage

Day Tank	100%			2045	**	5	\$1,100	
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Lighting

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 317/LADDER CO. 165
Asset # : 13202

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Interior Lighting Fluorescent	80%			2023	\$13,300	10	\$4,500	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Throughout

Explanation : T-8 Lamps

Incandescent	20%			2028	\$7,800	2		
Exterior Lighting HID	100%			2023	\$23,100	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source Natural Gas	100%			2043	**	1		
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Conversion Equipment Steam Boiler	100%			2036	**	1	\$6,100	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : One Unit

Distribution Central Plant Steam Piping/Pmp	100%			2033	**	4	\$300	
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Terminal Devices Convactor/Radiator	100%			2028	\$30,700	1	\$2,000	
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Air Conditioning

Energy Source Electricity	100%			2039	**	1		
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Conversion Equipment Window/Wall Unit	85%			2021	\$10,100	1		
No Component	15%							

Terminal Devices Air Handler/Dir Expansion	15%			2028	\$8,200	1		
No Component	85%							

Heat Rejection Air Cooled Condenser Unit	15%			2028	\$1,500	2	\$600	
No Component	85%							

Ventilation

Distribution Ductwork/Diffusers	100%			LIFE	**	2-5	\$3,400	
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Exhaust Fans Interior	100%			2028	\$20,400	2	\$200	
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Plumbing

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 317/LADDER CO. 165
Asset # : 13202

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	H/C Water Piping Brass/Copper	100%			2043	**	1	
	Water Heater Gas Fired	100%			2019	\$3,500	2	\$100
	Sanitary Piping Cast Iron	100%	Now	\$2,100	LIFE	**	1	
			<i>Leak Evident, Extent : Moderate, Area Affected : 15%</i>					
			<i>Location : Basement When It Rains</i>					
	Storm Drain Piping Cast Iron	100%	Now	\$600	LIFE	**	1	
			<i>Leak Evident, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Basement When It Rains</i>					
	Sump Pump(s) Submersible	100%			2019	\$200	4	\$200
	Fixtures							
	Generic	100%						

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 318/LADDER CO. 166
Address : 2510 NEPTUNE AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.318 / 13203 **Yr Built/Renovated** : 1929 /
Area Sq Ft : 5,746 **Project Type** : FIRE DEPARTMENT
Date of Survey : 28-Jun-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 7013 **Lot** : 7 **BIN** : 3188880

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Electrical		\$48,800
Total		\$48,800
Importance Code B		\$48,800
Total		\$48,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$110,000			\$200
Interior Architecture	\$38,700			\$400
Electrical			\$14,400	\$38,600
Mechanical	\$11,000	\$800	\$900	\$800
Total	\$159,700	\$800	\$15,300	\$40,000
Importance Code A	\$110,500	\$600	\$600	\$800
Importance Code B	\$35,300	\$200	\$14,700	\$39,200
Importance Code C	\$13,800			
Total	\$159,700	\$800	\$15,300	\$40,000



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 318/LADDER CO. 166
Asset # : 13203

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	15%			2043	**	10	\$1,200	
Masonry: Brick	70%	0-2	\$27,800	LIFE	**	5	\$18,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	3%	0-2	\$4,700	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	5%	0-2	\$14,400	LIFE	**	5	\$1,000	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Wood Overhead Doors	7%	0-2	\$5,800	2036	**	5	\$4,600	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%	Now	\$3,900	2031	**	5	\$900	
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$1,300	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	90%	Now	\$10,600	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Roof								
Asphalt Shingle	15%			2032	**	10	\$200	
Single Ply Membrane	80%	Now	\$2,500	2019	\$25,100			
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	5%	Now	\$13,800	2033	**			1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 318/LADDER CO. 166
Asset # : 13203

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$2,600	LIFE	**	5	\$10,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	15%	Now	\$2,900	2032	**	5	\$700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	35%	Now	\$5,900	2023	\$29,600	3	\$1,300	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
Interior Walls								
Cast in Place Concrete	20%	0-2	\$8,700	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%	Now	\$1,900	2032	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Gypsum Board	15%			LIFE	**	5	\$1,200	
Plaster	30%	Now	\$3,300	LIFE	**	5	\$1,200	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Hose Tower And Bunk Room West</i>								
SGFT/Glazed Masonry	30%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	10%	0-2	\$400	2028	\$8,100	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Exposed Concrete	50%			LIFE	**	5	\$800	
Gypsum Board	15%			LIFE	**	5	\$1,900	
Plaster	25%	0-2	\$13,100	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Hose Tower</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Corridor</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2023	\$4,800	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Amperes Main Disconnect Switch</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 318/LADDER CO. 166
Asset # : 13203

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2023	\$48,800	5	\$200	
Raceway								
Conduit	100%			2023	\$31,300	1		
Panelboards								
Fused Disc Sw	10%			2022	\$3,800	5		
Molded Case Bkrs	90%			2022	\$34,600	5	\$100	
Wiring								
Thermoplastic	100%			2023	\$27,700	1		
Motor Controllers								
Locally Mounted	100%			2021	\$14,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	95%			2023	\$14,800	10	\$5,000	
		<i>Inadequate Lighting Level, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Throughout Firehouse</i>						
Fluorescent	5%			2023	\$800	10	\$300	
Egress Lighting								
Emergency, Service	100%			2023	\$2,800	1		
Exterior Lighting								
Not Accessible	100%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Steam Boiler	100%			2036	**	1	\$5,700	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit</i>						
Distribution								
Central Plant Steam Piping/Pmp	100%			2033	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2028	\$28,800	1	\$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2031	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 318/LADDER CO. 166
Asset # : 13203

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Window/Wall Unit	60%			2019	\$6,700	1	
	No Component	40%						
Ventilation								
Exhaust Fans								
	Roof	10%			2023	\$900	2	
	Wall Unit	10%			2023	\$200	2	
	No Component	80%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2033	**	1	
Water Heater								
	Gas Fired	100%			2019	\$3,300	2	\$100
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 2 Units</i>							
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2019	\$200	4	\$200
Fixtures								
	Generic	100%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 319
Address : 78-11 67th ROAD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.319 / 13204 **Yr Built/Renovated** : 1930 /
Area Sq Ft : 6,576 **Project Type** : FIRE DEPARTMENT
Date of Survey : 19-Apr-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3776 **Lot** : 56 **BIN** : 4091550

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$39,900	\$53,200
Total	\$39,900	\$53,200
Importance Code A	\$39,900	\$53,200
Total	\$39,900	\$53,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$18,600		\$3,200	
Interior Architecture	\$51,300	\$400	\$800	
Electrical	\$17,400			\$1,400
Mechanical	\$7,600	\$900	\$1,300	\$4,700
Site Enclosure				
Total	\$94,800	\$1,300	\$5,300	\$6,100
Importance Code A	\$19,200	\$700	\$3,800	\$700
Importance Code B	\$58,500	\$600	\$1,200	\$5,400
Importance Code C	\$17,100		\$300	
Total	\$94,800	\$1,300	\$5,300	\$6,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 319
Asset # : 13204

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	3%			LIFE	**	5	\$5,900	
Masonry: Brick	90%			LIFE	**	5	\$22,700	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Left Facade</i>								
<i>Explanation : Brushed- On Waterproofing Beginning To Peel</i>								
Masonry: Granite	1%			LIFE	**	5	\$200	
Masonry: Limestone	1%	Now	\$2,800	LIFE	**	5	\$200	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front Facade</i>								
Wood Overhead Doors	5%			2021	\$39,900	5	\$6,300	
Windows								
Aluminum	100%	Now	\$15,800	2039	**	5	\$900	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Lintel At 2nd Floor Alley Side</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor At Alley Side</i>								
Parapets								
Masonry: Brick	80%			LIFE	**	5	\$1,500	
Masonry: Limestone	20%			LIFE	**	5	\$500	
Roof								
Modified Bitumen	98%			2028	\$53,200	10	\$9,200	
Skylight, Metal/Glass	2%			2043	**	10	\$600	
Interior								
Floors								
Cast in Place Concrete	60%	Now	\$12,300	LIFE	**	5	\$12,900	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Ceramic Tile	10%			2026	\$19,000	5	\$1,000	
Vinyl Tile	30%			2023	\$25,100	3	\$1,100	
Interior Walls								
Cast in Place Concrete	20%	Now	\$17,100	LIFE	**			
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Front And Side At Basement</i>								
Ceramic Tile	5%			2026	\$18,600	5	\$700	
Gypsum Board	5%			LIFE	**	5	\$400	
Masonry: Brick	20%			LIFE	**			
Plaster	25%			LIFE	**	5	\$1,000	
SGFT/Glazed Masonry	25%			LIFE	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 319
Asset # : 13204

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	15%			2028	\$11,900	5	\$1,500	
Plaster	85%	Now	\$21,900	LIFE	**	5	\$5,200	
<i>Paint Peeling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Apparatus Room</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Bunkroom And Lounge</i>								
Site Enclosure								
Fence/Gates								
Chain link	100%			2023	\$13,600			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Free Standing Walls								
Concrete Masonry Unit	100%			2033	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2036	**			
Parking/Driveway								
Cast in Place Concrete	100%			2036	**			
Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2033	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Service Area</i>								
<i>Explanation : 200 Amp</i>								
Raceway								
Conduit	100%			2033	**	1		
Panelboards								
Molded Case Bkrs	30%	4+	\$5,800	2039	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Receptacles Not Working</i>								
Molded Case Bkrs	70%			2039	**	5	\$100	
Wiring								
Braided Cloth	5%			2022	\$1,400	1		
Thermoplastic	95%			2033	**	1		
Motor Controllers								
Locally Mounted	100%			2036	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Motor Controllers For 2 Overhead Doors</i>								
Ground								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 319
Asset # : 13204

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Near Water Service</i>								
<i>Explanation : 3 Ground Clamps Observed</i>								
Lighting								
Interior Lighting Fluorescent	95%			2023	\$16,900	10	\$5,700	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	5%			2019	\$2,100	2		
Exterior Lighting HID	100%	4+	\$7,400	2023	\$24,800			
<i>Inadequate Lighting Level, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Alley</i>								
Alarm								
Fire/Smoke Detection No Component Generic	95%							
	5%	0-2	\$2,000	2023	\$3,400	1-3	\$200	
<i>Devices Missing, Extent : Severe, Area Affected : 80%</i>								
<i>Location : 2nd Floor</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2049	**	1		
Conversion Equipment Steam Boiler	100%			2040	**	1	\$6,500	
Distribution Central Plant Steam Piping/Pmp	100%			2033	**	4	\$300	
Terminal Devices Convactor/Radiator	100%			2028	\$32,900	1	\$2,100	
Air Conditioning								
Energy Source Electricity	100%			2045	**	1		
Conversion Equipment Window/Wall Unit No Component	50%			2019	\$6,400	1		
	50%							
Ventilation								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 319
Asset # : 13204

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Distribution								
	Ductwork/Diffusers	50%		LIFE	**	2-5	\$1,800	
	No Component	50%						
Exhaust Fans								
	Interior	50%		2023	\$10,900	2	\$100	
	Roof	50%		2028	\$5,100	2	\$100	
Plumbing								
H/C Water Piping								
	Brass/Copper	10%		2049	**	1		
	Galvanized Steel	90%		2028	\$24,300	1		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : New Copper Service. No Dielectric Fittings Between Dissimilar Metals</i>								
Water Heater								
	Gas Fired	100%		2022	\$3,800	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units / 80 Gallons</i>								
Sanitary Piping								
	Cast Iron	50%		LIFE	**	1		
	Cast Iron	50%		LIFE	**	1		
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : New No Hub Cast Iron Piping</i>								
Storm Drain Piping								
	Cast Iron	100%		LIFE	**	1		
Sump Pump(s)								
	Submersible	100%		2019	\$200	4	\$200	
Backflow Preventer								
	No Component	95%						
	Generic	5%		2031	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Boiler Only</i>								
Fixtures								
	Generic	100%						

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 320/LADDER CO. 167
Address : 36-18 FRANCIS LEWIS BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.320 / 13205 **Yr Built/Renovated** : 1931 / 2012
Area Sq Ft : 4,930 **Project Type** : FIRE DEPARTMENT
Date of Survey : 25-Mar-2013 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5319 **Lot** : 8 **BIN** : 4120143

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Electrical		\$48,800
Total		\$48,800
Importance Code B		\$48,800
Total		\$48,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$33,900	\$200		\$1,400
Interior Architecture	\$700	\$18,400		\$400
Electrical	\$9,500		\$100	\$4,700
Mechanical	\$1,400	\$500	\$500	\$500
Total	\$45,600	\$19,200	\$600	\$7,100
Importance Code A	\$34,200	\$500	\$200	\$1,700
Importance Code B	\$11,400	\$600	\$300	\$5,400
Importance Code C		\$18,100		
Total	\$45,600	\$19,200	\$600	\$7,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 320/LADDER CO. 167

Asset # : 13205

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	10%			2034	**	10	\$600	
Masonry: Brick	20%			LIFE	**	5	\$3,600	
Masonry: Brick	50%	Now	\$27,300	LIFE	**	5	\$9,100	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Northwest Corner</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : North And South Facades</i>								
Masonry: Granite	5%			LIFE	**	5	\$700	
Masonry: Limestone	10%			LIFE	**	5	\$1,400	
Metal Sect. OHD	5%			2037	**	5	\$2,800	
Windows								
Aluminum	100%			2040	**	5	\$500	
Parapets								
Masonry: Brick	85%			LIFE	**	5	\$1,300	
<i>Painted Surfaces, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%			LIFE	**	5	\$200	
Pre-Cast Concrete	5%			LIFE	**	5	\$500	
Roof								
Asphalt Shingle	15%			2027	\$4,000	10	\$200	
Modified Bitumen	85%			2029	**	10	\$6,700	
Interior								
Floors								
Cast in Place Concrete	55%			LIFE	**	5	\$10,000	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	10%			2037	**	5	\$800	
Quarry Tile	5%			2029	**	5	\$600	
Vinyl Tile	30%			2029	**	3	\$900	
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	15%			2020	\$17,800	5	\$600	
Gypsum Board	15%			LIFE	**	5	\$400	
Plaster	35%			LIFE	**	5	\$500	
SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	10%			2029	**	5	\$800	
Exposed Concrete	30%			LIFE	**	5	\$400	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Plaster	60%			LIFE	**	5	\$3,100	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057
ENGINE CO. 320/LADDER CO. 167
Asset # : 13205**

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2024	\$4,800	5		
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Main Service Switch Rated @ 200 Amperes</i>						
Switchgear / Switchboard								
Fused Disc Sw	100%			2024	\$48,800	5		
Raceway								
Conduit	100%			2050	**	1		
Panelboards								
Molded Case Bkrs	100%			2046	**	5	\$100	
Wiring								
Thermoplastic	100%			2050	**	1		
Motor Controllers								
Locally Mounted	100%			2041	**	5		
Ground								
Grounding Devices								
Generic	100%	2-4	\$9,500	LIFE	**	5	\$100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Corroded</i>						
Lighting								
Interior Lighting								
Fluorescent	90%			2032	**	10	\$4,100	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Incandescent	10%			2024	\$3,200	2		
Egress Lighting								
Emergency, Battery	50%			2032	**	10	\$600	
Exit, LED	50%			2059	**	1		
Exterior Lighting								
HID	100%			2032	**	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2050	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2041	**	1	\$2,400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit</i>						
Distribution								
Hot Wtr Piping/Pump	100%			2046	**	4	\$200	

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 320/LADDER CO. 167
Asset # : 13205

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Terminal Devices								
Convactor/Radiator	80%			2041	**	1	\$1,300	
Unit Heater - Steam	20%			2032	**	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2040	**	1		
Conversion Equipment								
Split Unit	5%			2032	**			
Window/Wall Unit	50%			2023	\$4,800	1		
Window/Wall Unit	10%	Now	\$1,000	2024	\$1,000	1		
<i>Obsolete Equipment, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Gymnasium</i>								
No Component	35%							
Terminal Devices								
Fan Coil - 2 Pipe	5%			2032	**	1	\$100	
No Component	95%							
Heat Rejection								
Air Cooled Condenser Unit	5%			2032	**	2	\$200	
No Component	95%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$500	
No Component	80%							
Exhaust Fans								
Roof	20%			2024	\$1,500	2		
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2050	**	1		
Water Heater								
Gas Fired	100%			2023	\$2,800	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	100%			2032	**	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	98%							
Generic	2%			2023		1-3	\$100	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 320/LADDER CO. 167
Asset # : 13205

Print Date : 13-Oct-2017 **FIRE DEPARTMENT - FY 2018**

Asset Name : ENGINE CO. 321
Address : 2165 GERRITSEN AVENUE @ AVENUE U
Borough : BROOKLYN Agency's Number : N/A
Program / Asset # : FIRSECO.321 / 13206 Yr Built/Renovated : 1930 / 2011
Area Sq Ft : 6,128 Project Type : FIRE DEPARTMENT
Date of Survey : 23-Jul-2012 Landmark Status : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 8817 Lot : 49 BIN : 3248186

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$113,200	\$43,900
Interior Architecture		\$38,900
Total	\$113,200	\$82,800
Importance Code A	\$113,200	\$43,900
Importance Code B		\$38,900
Total	\$113,200	\$82,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$51,400		\$4,700	
Interior Architecture	\$62,100		\$200	\$3,100
Electrical	\$11,100		\$2,900	
Mechanical	\$5,900	\$800	\$4,700	\$800
Total	\$130,500	\$800	\$12,500	\$3,900
Importance Code A	\$52,000	\$600	\$5,300	\$600
Importance Code B	\$64,800	\$200	\$7,200	\$800
Importance Code C	\$13,700			\$2,500
Total	\$130,500	\$800	\$12,500	\$3,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 321
Asset # : 13206

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$113,200	LIFE	**	5	\$18,800	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : South, North And East Facades</i>								
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : South, North And East Facades</i>								
Masonry: Granite	2%			LIFE	**	5	\$400	
Masonry: Limestone	5%	Now	\$6,400	LIFE	**	5	\$900	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : West Facade</i>								
Metal Panel	5%			2043	**	5-10	\$8,100	
Wood Overhead Doors	8%			2036	**	5	\$9,400	
Windows								
Aluminum	100%	Now	\$4,100	2039	**	5	\$1,000	
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Weight Room, Bunk Room</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Weight Room, Bunk Room</i>								
Parapets								
Cast Stone/Terra Cotta	15%			LIFE	**	5	\$2,600	
Masonry: Brick	75%	Now	\$19,200	LIFE	**	5	\$1,700	1
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Corners</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 35%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%			LIFE	**	5	\$300	
Roof								
Built-Up (BUR)	98%	0-2	\$4,400	2028			\$43,900	
<i>Ponding, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	2%	Now	\$17,300	2043	**			1
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 321
Asset # : 13206

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$22,900	LIFE	**	5	\$8,000	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Steel Columns And Beams Shoring Up Apparatus Floor Above</i>								
Ceramic Tile	5%			2036	**	5	\$500	
Terrazzo	5%			LIFE	**	5	\$400	
Vinyl Tile	50%			2028	\$38,900	3	\$2,300	
Interior Walls								
Cast in Place Concrete	20%	0-2	\$9,000	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	35%			2032	**	5	\$5,000	
Masonry: Brick	10%	0-2	\$2,800	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Plaster	35%	Now	\$2,000	LIFE	**	5	\$1,500	
<i>Water Penetration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Hose Room</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Hose Room</i>								
Ceilings								
Exposed Concrete	20%	Now	\$19,900	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Gypsum Board	5%			LIFE	**	5	\$600	
Plaster	75%	4+	\$5,100	LIFE	**	5	\$4,800	
<i>Paint Peeling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Bathroom, Hose Room</i>								
Site Enclosure								
Fence/Gates								
Chain link	100%			2043	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2043	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Replaced 2011</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 321
Asset # : 13206

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Parking/Driveway

Cast in Place Concrete	100%			2043	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2033	**	5		
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Basement Service Room**Explanation : 200 Amperes Switch In Use*

Raceway

Conduit	100%			2033	**	1		
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Panelboards

Molded Case Bkrs	100%			2031	**	5	\$200	
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Wiring

Thermoplastic	100%			2033	**	1		
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Motor Controllers

Locally Mounted	100%			2028	\$14,400	5		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Basement**Explanation : Water Main*

Lighting

Interior Lighting

Fluorescent	50%			2019	\$8,300	10	\$2,800	
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Throughout Firehouse**Explanation : T-12 Lamps*

Fluorescent	50%			2031	**	10	\$2,800	
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Throughout**Explanation : T-8 Lamps*

Egress Lighting

Exit, Service	50%			2023	\$300	1		
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Exit, Battery	50%			2023	\$1,100	10	\$200	
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Exterior Lighting

HID	100%			2023	\$23,100	10		
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Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 321
Asset # : 13206

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source	Natural Gas	100%		2049	**	1		
Conversion Equipment	Steam Boiler	100%		2040	**	1	\$6,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Boiler</i>								
Distribution	Central Plant Steam Piping/Pmp	100%		2033	**	4	\$300	
Terminal Devices	Convactor/Radiator	100%		2028	\$30,700	1	\$2,000	
Air Conditioning								
Energy Source	Electricity	100%		2045	**	1		
Conversion Equipment	Window/Wall Unit	40%		2019	\$4,800	1		
	No Component	60%						
Ventilation								
Distribution	Ductwork/Diffusers	50%		LIFE	**	2-5	\$1,700	
	No Component	50%						
Exhaust Fans	Roof	50%		2023	\$4,800	2	\$100	
	Wall Unit	50%		2028	\$1,000	2	\$100	
Plumbing								
H/C Water Piping	Galvanized Steel	100%		2028	\$25,100	1		
<i>No Water Meter, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Water Heater	Gas Fired	100%		2021	\$3,500	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units, 74 Gallons Each</i>								
Sanitary Piping	Cast Iron	100%		LIFE	**	1		
Storm Drain Piping	Cast Iron	100%		LIFE	**	1		
Sump Pump(s)	Submersible	100%		2019	\$200	4	\$200	
Fixtures	Generic	100%						

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 323
Address : 6405 AVENUE N
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.323 / 13207 **Yr Built/Renovated** : 1932 / 2007
Area Sq Ft : 6,802 **Project Type** : FIRE DEPARTMENT
Date of Survey : 29-May-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 8364 **Lot** : 6 **BIN** : 3235919

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$52,900
Interior Architecture	\$109,800	
Mechanical		\$47,400
Total	\$109,800	\$100,300
Importance Code A		\$52,900
Importance Code B	\$109,800	\$47,400
Total	\$109,800	\$100,300

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$39,200		\$4,100	
Interior Architecture	\$65,500			\$2,800
Electrical	\$2,200	\$500	\$2,400	\$500
Mechanical	\$7,100	\$900	\$1,200	\$4,800
Total	\$114,000	\$1,400	\$7,600	\$8,000
Importance Code A	\$39,800	\$700	\$4,800	\$700
Importance Code B	\$59,000	\$700	\$2,900	\$5,100
Importance Code C	\$15,100			\$2,300
Total	\$114,000	\$1,400	\$7,600	\$8,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 323
Asset # : 13207

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	90%	Now	\$30,700	LIFE	**	5	\$20,400	
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	5%			LIFE	**	5	\$800	
Wood Overhead Doors	5%			2036	**	5	\$5,700	
Windows								
Aluminum	100%	Now	\$8,500	2039	**	5	\$1,000	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,900	
Masonry: Brick	45%			LIFE	**	5	\$1,100	
Masonry: Granite	5%			LIFE	**	5	\$200	
Stucco Cement	40%			2036	**	5	\$2,600	
Roof								
Modified Bitumen	100%			2028		10	\$9,100	
Interior								
Floors								
Cast in Place Concrete	55%	Now	\$54,600	LIFE	**	5	\$11,500	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus</i>								
<i>Explanation : Steel Columns And Beams Shoring Up Apparatus Floor From Basement Below</i>								
Quarry Tile	2%	Now	\$300	2036	**	5	\$100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Terrazzo	3%	Now	\$2,700	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	40%	Now	\$32,500	2033	**	3	\$1,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Cast in Place Concrete	20%	Now	\$8,300	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	35%			2032	**	5	\$4,600	
Marble Panels	5%	Now	\$2,600	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Plaster	40%	Now	\$4,200	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Ladder To Roof</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Ladder To Roof</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 323
Asset # : 13207

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
Exposed Concrete	60%	Now	\$55,300	LIFE	**	5	\$900	
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Plaster	40%	Now	\$15,000	LIFE	**	5	\$2,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Ladder To Roof</i>								
Site Enclosure								
Fence/Gates								
Chain link	100%			2043	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2043	**			
Parking/Driveway								
Cast in Place Concrete	100%			2043	**			
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2043	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : One 100 Amperes Main Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2043	**	5	\$200	
Raceway								
Conduit	100%			2043	**	1		
Panelboards								
Fused Disc Sw	10%			2039	**	5		
Molded Case Bkrs	90%			2039	**	5	\$200	
Wiring								
Thermoplastic	70%			2043	**	1		
Thermoplastic	30%			2049	**	1		
Motor Controllers								
Locally Mounted	100%			2036	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2040	**	1	\$2,100	

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 323
Asset # : 13207

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power Generators Diesel	100%			2036	**	1	\$2,600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : One 40 Kw</i>								
Batteries Lead/Acid	100%			2019	\$1,500	5	\$300	
Fuel Storage Main Tank	100%			2063	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : One 50 Gallons</i>								
Lighting Interior Lighting Fluorescent	70%			2028	\$12,900	10	\$4,400	
Fluorescent	30%			2031	**	10	\$1,900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : T-8 Lamps</i>								
Egress Lighting Emergency, Service	35%			2028	\$1,200	1		
Emergency, Service	15%			2031	**	1		
No Component	50%							
Exterior Lighting HID	100%			2028	\$25,600	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating Energy Source Natural Gas	100%			2049	**	1		
Conversion Equipment Steam Boiler	100%			2040	**	1	\$6,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution Central Plant Steam Piping/Pmp	100%			2033	**	4	\$300	
Terminal Devices Convectector/Radiator	100%			2036	**	1	\$2,200	
Air Conditioning Energy Source Electricity	100%			2039	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 323
Asset # : 13207

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Window/Wall Unit	40%			2019	\$5,300	1	
	No Component	60%						
Ventilation								
Distribution								
	Ductwork/Diffusers	15%			LIFE	**	2-5	\$600
	No Component	85%						
Exhaust Fans								
	Roof	15%			2023	\$1,600	2	
	Wall Unit	25%	Now	\$600	2033	**	2	
<i>Malfunctioning, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 1 Out Of 2 Not Working, 1st Floor</i>								
	No Component	60%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2023	\$47,400	1	
<i>Other Observation, Extent : Moderate, Area Affected : 90%</i>								
<i>Location : Basement</i>								
<i>Explanation : Aging Brass Pipe</i>								
Water Heater								
	Gas Fired	100%			2022	\$3,900	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units / 75 Gallons</i>								
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2019	\$200	4	\$200
Fixtures								
	Generic	100%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 324
Address : 108-01 HORACE HARDING EXP.
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.324 / 13208 **Yr Built/Renovated** : 1939 /
Area Sq Ft : 5,952 **Project Type** : FIRE DEPARTMENT
Date of Survey : 20-Jul-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1964 **Lot** : 65 **BIN** : 4048310

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$46,600	\$59,600
Mechanical		\$94,200
Total	\$46,600	\$153,800
Importance Code A	\$46,600	\$59,600
Importance Code B		\$94,200
Total	\$46,600	\$153,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$38,700			
Interior Architecture	\$3,200	\$500		\$300
Electrical	\$2,000	\$400	\$500	\$400
Mechanical	\$14,200	\$800	\$4,200	\$800
Total	\$58,000	\$1,700	\$4,700	\$1,500
Importance Code A	\$39,200	\$600	\$600	\$600
Importance Code B	\$17,100	\$1,100	\$4,100	\$800
Importance Code C	\$1,700			\$100
Total	\$58,000	\$1,700	\$4,700	\$1,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 324
Asset # : 13208

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	82%	Now	\$46,600	LIFE	**	5	\$15,500	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Foundation</i>								
Masonry: Granite	3%			LIFE	**	5	\$400	
Masonry: Limestone	5%	Now	\$20,600	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	10%	Now	\$11,900	2028	\$59,600	5	\$4,700	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : South Facade</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : South Facade</i>								
Roof								
Asphalt Shingle	100%	Now	\$6,200	2026	\$30,800			
<i>Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$10,000	
Ceramic Tile	5%			2032	**	5	\$500	
Terrazzo	5%			LIFE	**	5	\$400	
Vinyl Tile	40%			2023	\$31,000	3	\$1,400	
Interior Walls								
Ceramic Tile	5%			2032	**	5	\$200	
Gypsum Board	5%			LIFE	**	5	\$100	
Masonry: Brick	10%			LIFE	**			
Plaster	45%	Now	\$1,700	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Window At Roof Access</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Window At Roof Access</i>								
Plywood/Hardboard	10%			LIFE	**			
SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	10%	0-2	\$1,500	2028	\$7,400	5	\$500	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Kitchen, Throughout</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen, Throughout</i>								
Exposed Concrete	25%			LIFE	**	5	\$400	
Plaster	65%			LIFE	**	5	\$3,700	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 324
Asset # : 13208

System Component Type	Current Repair			Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2033	**	5	\$200	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Electrical Room</i>						
		<i>Explanation : Main Service Switches - 2 Rated @ 200 Amperes Each</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2033	**	5	\$200	
Raceway								
Conduit	100%			2033	**	1		
Panelboards								
Molded Case Bkrs	100%			2031	**	5	\$200	
Wiring								
Thermoplastic	100%			2033	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2040	**	1	\$1,800	
Generators								
Diesel	100%			2036	**	1	\$2,300	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : Emergency Diesel Generator Rated @ 40 Kw</i>						
Batteries								
Lead/Acid	100%			2019	\$1,500	5	\$200	
Fuel Storage								
Main Tank	100%			2058	**	5	\$200	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 50 Gallon Capacity</i>						
Lighting								
Interior Lighting								
Fluorescent	100%			2023	\$16,100	10	\$5,500	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : T-8 Lamps</i>						
Egress Lighting								
Emergency, Service	50%			2023	\$1,500	1		
Exit, LED	50%			2038	**	1		
Exterior Lighting								
HID	100%			2023	\$22,400	10		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 324
Asset # : 13208

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Steam Boiler	100%			2036	**	1	\$5,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%	Now	\$4,700	2023	\$94,200	4	\$300	
<i>Corroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Return Line In Basement</i>								
Terminal Devices								
Convactor/Radiator	100%			2028	\$29,800	1	\$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2031	**	1		
Conversion Equipment								
Window/Wall Unit	50%			2019	\$5,800	1		
No Component	50%							
Ventilation								
Exhaust Fans								
Wall Unit	15%			2023	\$300	2		
No Component	85%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%	Now	\$2,100	2033	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : From Street</i>								
<i>Explanation : Obsolete Water Main</i>								
Water Heater								
Gas Fired	100%			2021	\$3,400	2	\$100	
Sanitary Piping								
Cast Iron	100%	Now	\$800	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 325/LADDER 163
Address : 41-24 51st STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.325 / 13209 **Yr Built/Renovated** : 1939 / 2012
Area Sq Ft : 5,940 **Project Type** : FIRE DEPARTMENT
Date of Survey : 24-Jul-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 131 **Lot** : 31 **BIN** : 4000979

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$37,700	\$86,600
Total	\$37,700	\$86,600
Importance Code A	\$37,700	\$86,600
Total	\$37,700	\$86,600

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$20,700			
Interior Architecture	\$16,600			\$400
Electrical	\$2,000	\$400	\$500	\$400
Mechanical	\$18,600	\$900	\$10,800	\$900
Total	\$57,900	\$1,300	\$11,300	\$1,600
Importance Code A	\$21,300	\$500	\$600	\$500
Importance Code B	\$36,700	\$800	\$10,700	\$1,200
Importance Code C				
Total	\$57,900	\$1,300	\$11,300	\$1,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 325/LADDER 163
Asset # : 13209

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	85%	2-4	\$37,700	LIFE	**	5	\$25,000	
<i>Efflorescence, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Below Limestone Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	3%			LIFE	**	5	\$700	
Masonry: Limestone	7%			LIFE	**	5	\$1,500	
Wood Overhead Doors	5%			2028	\$46,500	5	\$7,400	
Windows								
Aluminum	100%	0-2	\$11,700	2039	**	5	\$700	
<i>Unit Inoperable, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	85%	2-4	\$7,000	LIFE	**	5	\$2,400	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Interior Face</i>								
Masonry: Brownstone	10%			LIFE	**	5	\$700	
Masonry: Limestone	5%			LIFE	**	5	\$200	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Coping</i>								
Roof								
Built-Up (BUR)	100%	Now	\$2,000	2023	\$40,000			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Lower Roof Over Stairs</i>								
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	**	5	\$12,300	
Terrazzo	10%			LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Stairs</i>								
Vinyl Tile	30%	0-2	\$7,100	2028	\$23,800	3	\$1,100	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Cast in Place Concrete	15%			LIFE	**			
Gypsum Board	10%			LIFE	**	5	\$800	
Plaster	35%			LIFE	**	5	\$1,300	
SGFT/Glazed Masonry	40%			LIFE	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 325/LADDER 163
Asset # : 13209

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	10%	0-2	\$1,500	2036	**	5	\$500	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Kitchen</i>								
Exposed Struc: Steel	25%			LIFE	**			
Plaster	65%	Now	\$8,000	LIFE	**	5	\$3,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Stairwell</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2033	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Switch Rated @ 200 Amperes</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2033	**	5	\$200	
Raceway								
Conduit	100%			2033	**	1		
Panelboards								
Molded Case Bkrs	100%			2031	**	5	\$200	
Wiring								
Thermoplastic	100%			2033	**	1		
Motor Controllers								
Locally Mounted	100%			2040	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2040	**	1	\$1,800	
Generators								
Diesel	100%			2036	**	1	\$2,300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Emergency Generator Rated @ 60 Kw</i>								
Batteries								
Lead/Acid	100%			2019	\$1,500	5	\$200	
Fuel Storage								
Main Tank	100%			2058	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 125 Gallon Capacity</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 325/LADDER 163
Asset # : 13209

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	75%			2028	\$12,100	10	\$4,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Kitchen And 2nd Floor</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	20%			2023	\$3,200	10	\$1,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : T-12 Lamps</i>								
Incandescent	5%			2023	\$1,900	2		
Egress Lighting								
Emergency, Service	100%			2023	\$2,900	1		
Exterior Lighting								
HID	100%			2023	\$22,400	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Electricity	20%			2033	**	1		
Natural Gas	80%			2049	**	1		
Conversion Equipment								
Radiant Heater	20%			2031	**	2	\$600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Recently Installed Electric Unit Heaters</i>								
Steam Boiler	80%			2036	**	1	\$4,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Gas Fired Steam Boiler</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2033	**	4	\$300	
Terminal Devices								
Air Handler	30%			2023	\$23,400	1	\$1,100	
Convactor/Radiator	50%			2028	\$14,900	1	\$1,000	
No Component	20%							
Air Conditioning								
Energy Source								
Electricity	100%			2045	**	1		

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 325/LADDER 163
Asset # : 13209

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	50%	0-2	\$17,400	2023	\$34,800	2	\$100
<i>Broken, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Roof</i>								
	Window/Wall Unit	50%			2021	\$5,800	1	
Terminal Devices								
	Air Handler/Cool/Ht No Component	50%			2023	\$31,100	1	\$1,800
	No Component	50%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$3,300
Exhaust Fans								
	Roof	10%			2028	\$900	2	
	Wall Unit	20%			2023	\$400	2	
	No Component	70%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2043	**	1	
Water Heater								
	Gas Fired	100%			2021	\$3,400	2	\$100
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Newly Installed Stainless Steel Roof Pocket Drain To Leaders</i>								
Sump Pump(s)								
	Submersible	100%			2019	\$200	4	\$200
Fixtures								
	Generic	100%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 326/LADDER 160
Address : 64-04 SPRINGFIELD BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.326 / 13210 **Yr Built/Renovated** : 1984 /
Area Sq Ft : 8,862 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Oct-2011 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 7621 **Lot** : 12 **BIN** : 4162454

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$51,200
Interior Architecture	\$42,800	
Electrical	\$69,600	\$24,400
Total	\$112,400	\$75,600
Importance Code A		\$51,200
Importance Code B	\$112,400	\$24,400
Total	\$112,400	\$75,600

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$34,200		\$200	
Interior Architecture	\$47,600		\$500	\$1,100
Electrical	\$3,400	\$600	\$19,900	\$2,100
Mechanical	\$21,800	\$800	\$7,800	\$700
Total	\$107,000	\$1,400	\$28,300	\$4,000
Importance Code A	\$34,600	\$400	\$600	\$400
Importance Code B	\$72,400	\$900	\$27,700	\$3,400
Importance Code C				\$100
Total	\$107,000	\$1,400	\$28,300	\$4,000



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 326/LADDER 160
Asset # : 13210

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Ceramic Tile	2%			2043	**	10	\$200	
Masonry: Brick	83%			LIFE	**	5	\$9,900	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : All Facades</i>								
Wood Overhead Doors	15%	0-2	\$11,300	2036	**	5	\$4,500	
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Exterior On The Left</i>								
Windows								
Aluminum	100%	0-2	\$12,500	2048	**	5	\$200	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$1,600	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main And Lower Roofs</i>								
Masonry: Brick	75%			LIFE	**	5	\$800	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main And Lower Roofs</i>								
Metal: Cage/Fence	5%			2036	**	5-10	\$400	
Roof								
Roll Roofing	100%			2024		5	\$20,700	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main And Lower Roofs</i>								
Interior								
Floors								
Cast in Place Concrete	50%	2-4	\$20,700	LIFE	**	5	\$14,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Apparatus Room</i>								
Ceramic Tile	5%			2032	**	5	\$700	
Quarry Tile	5%			2036	**	5	\$1,000	
Vinyl Tile	40%	Now	\$13,500	2031	**	3	\$2,000	
<i>Recent Replace Evident, Extent : Light, Area Affected : 30%</i>								
<i>Location : Second Floor Corridor</i>								
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	5%			2032	**	5	\$300	
Concrete Masonry Unit	60%			LIFE	**	5	\$1,400	
SGFT/Glazed Masonry	25%			LIFE	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 326/LADDER 160
Asset # : 13210

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	40%	0-2	\$42,800	2043	**	5	\$2,700	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor Office</i>								
Exposed Struc: Steel	10%			LIFE	**			
Gypsum Board	25%	Now	\$13,400	LIFE	**	5	\$4,100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Apparatus Room</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Apparatus Room</i>								
Plaster	25%			LIFE	**	5	\$2,100	
Site Enclosure								
Fence/Gates								
Chain link	100%			2043	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2036	**			
Parking/Driveway								
Asphalt	70%			2032	**			
Cast in Place Concrete	30%			2036	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2033	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 400 Amperes</i>								
Switchgear / Switchboard								
Molded Case Bkrs	50%			2033	**	5	\$100	
Molded Case Bkrs	50%			2023	\$24,400	5	\$100	
Raceway								
Conduit	100%			2033	**	1		
Panelboards								
Molded Case Bkrs	90%			2031	**	5	\$200	
Molded Case Bkrs	10%			2022	\$3,800	5		
Wiring								
Thermoplastic	100%			2033	**	1		
Motor Controllers								
Locally Mounted	100%			2021	\$14,400	5	\$100	

Ground

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 326/LADDER 160
Asset # : 13210

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices								
Metal Water Pipe	100%			2028	\$9,500	5	\$300	
Stand-by Power								
Transfer Switches								
Automatic	100%			2021	\$4,800	1	\$2,700	
Generators								
Diesel	100%			2019	\$65,700	1	\$3,400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 30 Kw</i>						
Batteries								
Lead/Acid	100%			2019	\$1,500	5	\$300	
Fuel Storage								
Day Tank	100%			2022	\$600	5	\$1,600	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 75 Gallons</i>						
Lighting								
Interior Lighting								
Fluorescent	75%			2023	\$18,000	10	\$6,100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Mostly T-12.</i>						
Fluorescent	23%			2023	\$5,500	10	\$1,900	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Mostly T-8</i>						
Incandescent	2%			2019	\$1,100	2		
Egress Lighting								
Exit, LED	100%			2038	**	1		
Exterior Lighting								
HID	40%			2023	\$13,400	10		
No Component	60%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2036	**	1	\$4,400	
Distribution								
Hot Wtr Piping/Pump	100%			2039	**	4	\$700	

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 326/LADDER 160
Asset # : 13210

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Terminal Devices								
Convactor/Radiator	90%			2036	**	1	\$2,600	
Unit Heater - Steam	10%			2028	\$3,000	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	40%	Now	\$8,100	2028	\$26,800	2	\$200	
		<i>Broken, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Set Back Roof Of Kitchen</i>						
Window/Wall Unit	60%			2019	\$10,400	1		
Distribution								
Ductwork/Diffusers	40%			LIFE	**	2	\$4,600	
No Component	60%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,900	
Exhaust Fans								
Interior	25%			2023	\$7,400	2	\$100	
Roof	75%	Now	\$2,100	2028	\$10,300	2	\$200	
		<i>Broken, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Kitchen Fan</i>						
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2033	**	1		
Water Heater								
Gas Fired	100%			2021	\$5,100	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 Units / 75 Gallons</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2019	\$300	4	\$300	
Backflow Preventer								
No Component	95%							
Generic	5%			2031	**	1		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Boiler Only</i>						
Fixtures								
Generic	100%							
		<i>Leaking Faucets/Valves/Heads, Extent : Light, Area Affected : 20%</i>						
		<i>Location : Bathrooms</i>						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 326/LADDER 160
Asset # : 13210

Mechanical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Fire Suppression Sprinkler No Component	90%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : Ansul System Serves Cooking Area</i>						
Generic	10%			2049	* *	1-2	\$300	

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 329
Address : 402 BEACH 169th STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.329 / 13211 **Yr Built/Renovated** : 1961 /
Area Sq Ft : 7,076 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Apr-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 16325 **Lot** : 100 **BIN** : 4307098

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$48,100	\$101,900
Interior Architecture	\$13,500	\$36,000
Total	\$61,600	\$137,900
Importance Code A	\$48,100	\$101,900
Importance Code B	\$13,500	\$36,000
Total	\$61,600	\$137,900

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$22,400			
Interior Architecture	\$30,000		\$600	\$700
Electrical	\$8,600		\$14,500	
Mechanical	\$14,700	\$500	\$4,900	\$500
Total	\$75,700	\$500	\$20,000	\$1,200
Importance Code A	\$25,200	\$400	\$400	\$400
Importance Code B	\$47,000	\$200	\$19,500	\$900
Importance Code C	\$3,500		\$100	
Total	\$75,700	\$500	\$20,000	\$1,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 329
Asset # : 13211

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	85%	Now	\$48,100	LIFE	**	5	\$16,000	
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : South Side Along 2nd Floor Veranda And East Façade</i>								
Metal Panel	5%			2033	**	5-10	\$6,500	
Metal Sect. OHD	10%			2028	\$58,600	5	\$5,900	
Windows								
Aluminum	100%			2039	**	5	\$500	
Parapets								
Cast Stone/Terra Cotta	10%	2-4	\$3,500	LIFE	**	5	\$1,100	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Parapet Coping</i>								
Masonry: Brick	90%	Now	\$14,400	LIFE	**	5	\$1,200	
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Over Windows</i>								
Roof								
IRMA/Protected Membrane	25%			2028	\$24,700	10	\$2,500	
<i>Paver Block Ballast, Extent : Light, Area Affected : 100%</i>								
<i>Location : Over First Floor</i>								
Modified Bitumen	75%	Now	\$4,300	2028	\$43,300			
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor Front Over Officer Bunkroom</i>								
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$9,300	
Ceramic Tile	5%			2026	\$10,200	5	\$500	
Vinyl Tile	40%			2028	\$36,000	3	\$2,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floor</i>								
<i>Explanation : 12 X 12 Tiles</i>								
Vinyl Tile	15%	4+	\$2,700	2019	\$13,500	3	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Locker Room, Bunkroom And Sitting Room</i>								
<i>Explanation : 9 X 9 Tiles</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 329
Asset # : 13211

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Interior

Interior Walls

Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	5%			2026	\$4,500	5	\$200	
Concrete Masonry Unit	10%			LIFE	**	5	\$100	
Plaster	45%	Now	\$3,500	LIFE	**	5	\$400	

Cracking/Crumbling, Extent : Moderate, Area Affected : 10%

Location : 2nd Floor Throughout

Water Penetration, Extent : Severe, Area Affected : 10%

Location : Stairwell, Officer Locker Room And Bunkroom And 2nd Floor Sitting Room

SGFT/Glazed Masonry	30%			LIFE	**			
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Ceilings

AcousTileSusp.Lay-In	5%			2036	**	5	\$500	
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Staining/Discoloring, Extent : Light, Area Affected : 5%

Location : 1st Floor

Exposed Concrete	35%	4+	\$2,400	LIFE	**	5	\$600	
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Paint Peeling, Extent : Moderate, Area Affected : 30%

Location : Apparatus Room

Gypsum Board	10%			LIFE	**	5	\$1,300	
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Plaster	50%	Now	\$20,800	LIFE	**	5	\$3,300	
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Broken/Missing Elements, Extent : Moderate, Area Affected : 15%

Location : Underside Of Basement Stair

Spalling, Extent : Severe, Area Affected : 15%

Location : Kitchen, Apparatus Room And 2nd Floor

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%	4+	\$2,400	2033	**	5		
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Enclosure Corroded, Extent : Moderate, Area Affected : 50%

Location : Basement Electrical Room

Other Observation, Extent : Light, Area Affected : 100%

Location : Basement Electrical Room

Explanation : 400 Amp

Raceway

Conduit	100%			2023	\$31,300	1		
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Panelboards

Molded Case Bkrs	100%			2031	**	5	\$200	
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Wiring

Braided Cloth	10%	4+	\$1,700	2039	**	1		
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Insulation Aged, Extent : Moderate, Area Affected : 100%

Location : Throughout

Thermoplastic	90%			2043	**	1		
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 329
Asset # : 13211

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2021	\$14,400	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Motor Controller For 1 Overhead Door</i>						
Lighting								
Interior Lighting								
Fluorescent	60%			2023	\$11,500	10	\$3,900	
		<i>Motion Sensors in Use, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st And 2nd Floor</i>						
Fluorescent	30%			2023	\$5,800	10	\$1,900	
		<i>Motion Sensors in Use, Extent : Light, Area Affected : 75%</i>						
		<i>Location : Basement</i>						
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
Incandescent	10%			2019	\$4,500	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Incandescent Lamps In Use</i>						
Exterior Lighting								
HID	100%			2023	\$26,700	10		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Exterior Throughout</i>						
		<i>Explanation : Controlled Via Photocell</i>						
Alarm								
Fire/Smoke Detection								
No Component	95%							
Generic	5%			2023	\$3,700	1-3	\$200	

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2036	**	1	\$3,500	
Distribution								
Hot Wtr Piping/Pump	100%			2039	**	4	\$500	
Terminal Devices								
Convactor/Radiator	60%			2028	\$21,300	1	\$1,400	
Unit Heater - Steam	40%			2023	\$9,500	4	\$400	
Air Conditioning								

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 329
Asset # : 13211

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Window/Wall Unit	100%			2019	\$13,800	1	
Ventilation								
Distribution								
	Ductwork/Diffusers	50%			LIFE	**	2-5	\$2,000
	No Component	50%						
Exhaust Fans								
	Interior	50%			2023	\$11,800	2	\$100
	Roof	50%			2023	\$5,500	2	\$100
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2043	**	1	
Water Heater								
	Gas Fired	100%			2021	\$4,000	2	\$100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Cellar Mechanical Room</i>				
				<i>Explanation : One 75 Gallon Heater</i>				
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Non-Submersible	100%			2023	\$1,000	4	\$200
Fixtures								
	Generic	100%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 33/LADDER CO. 9
Address : 42 GREAT JONES STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.033 / 13021 **Yr Built/Renovated** : 1898 /
Area Sq Ft : 12,649 **Project Type** : FIRE DEPARTMENT
Date of Survey : 16-Jun-2015 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3,4
Block : 531 **Lot** : 49 **BIN** : 1008526

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$42,200	
Interior Architecture	\$42,600	
Electrical		\$35,600
Total	\$84,800	\$35,600
Importance Code A	\$42,200	
Importance Code B	\$42,600	\$35,600
Total	\$84,800	\$35,600

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$84,300		\$26,300	
Interior Architecture	\$47,900		\$700	\$600
Electrical	\$1,200	\$2,800	\$5,700	\$900
Mechanical	\$8,400	\$2,200	\$19,300	\$2,000
Total	\$141,800	\$5,000	\$52,000	\$3,400
Importance Code A	\$85,500	\$1,300	\$27,600	\$1,300
Importance Code B	\$44,000	\$3,700	\$24,400	\$2,200
Importance Code C	\$12,300			
Total	\$141,800	\$5,000	\$52,000	\$3,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 33/LADDER CO. 9
Asset # : 13021

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	65%			LIFE	**	5	\$28,900	
Masonry: Granite	5%	Now	\$14,300	LIFE	**	5	\$1,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Granite Panels Adjacent To Overhead Door Openings</i>								
Masonry: Limestone	10%	0-2	\$26,500	LIFE	**	5	\$3,300	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Metal Panel	5%			2036	**	5-10	\$15,300	
Metal: Cage/Fence	5%			2031	**	5	\$9,700	
Wood Overhead Doors	10%			2031	**	5	\$22,200	
Windows								
Aluminum	50%			2034	**	5	\$1,300	
Wood	50%			2034	**	5	\$13,400	
Parapets								
Masonry: Brick	85%	Now	\$42,200	LIFE	**	5	\$1,100	1
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Main Roof</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								
<i>Parge/Tar Separating, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Main Roof Parapets</i>								
Masonry: Sandstone	15%	Now	\$19,000	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Coping Stones Have Failed And Need To Be Replaced.</i>								
Roof								
Asphalt Shingle	20%			2029	**	10	\$400	
Copper/Terne	20%			2041	**	10	\$6,200	
Roll Roofing	60%	2-4	\$16,800	2028	\$33,500	5	\$6,200	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 3rd Floor Ceiling</i>								
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 33/LADDER CO. 9
Asset # : 13021

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$4,200	LIFE	**	5	\$16,100	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Epoxy Paint Finish Is Cracking</i>								
Ceramic Tile	5%			2039	**	5	\$900	
<i>Recent Replace Evident, Extent : Light, Area Affected : 70%</i>								
<i>Location : 2nd And 3rd Floor Bathrooms</i>								
Quarry Tile	5%			2031	**	5	\$1,400	
Vinyl Tile	25%	Now	\$42,600	2036	**	3	\$1,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor</i>								
<i>Patching Evident, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor</i>								
<i>Uneven Substrate, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Vinyl Tiles Are Very Old, Deteriorated And Should Be Replaced.</i>								
Wood	25%	0-2	\$16,500	2054	**	5	\$4,300	
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Attic</i>								
Interior Walls								
Ceramic Tile	5%			2039	**	5	\$1,400	
<i>Recent Replace Evident, Extent : Light, Area Affected : 70%</i>								
<i>Location : 2nd And 3rd Floor Bathrooms</i>								
Gypsum Board	5%			LIFE	**	5	\$800	
Masonry: Brick	20%	Now	\$11,600	LIFE	**			
<i>Diagonal Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : 4th Floor/ Attic Space</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : 4th Floor/ Attic Space</i>								
Plaster	45%			LIFE	**	5	\$3,700	
<i>Paint Peeling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings								
Embossed Metal	75%	0-2	\$14,200	LIFE	**	5	\$6,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : All Floors</i>								
Gypsum Board	5%	Now	\$200	LIFE	**	5	\$1,200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Basement Bathroom</i>								
Masonry: Infill Arch	20%			LIFE	**			

Site Pavements

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 33/LADDER CO. 9
Asset # : 13021

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

Parking/Driveway

Cast in Place Concrete

100%

2046

* *

*Other Observation, Extent : Light, Area Affected : 100%**Location : Entry To Apparatus Floor**Explanation : Under Construction/ Replacement*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw

100%

2036

* *

5

\$100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 400 Amperes*

Switchgear / Switchboard

Fused Disc Sw

100%

2036

* *

5

\$100

Raceway

Conduit

100%

2036

* *

1

Panelboards

Molded Case Bkrs

75%

2034

* *

5

\$300

Molded Case Bkrs

25%

2042

* *

5

\$100

Wiring

Thermoplastic

100%

2036

* *

1

Ground

Grounding Devices

Generic

100%

LIFE

* *

5

\$200

Stand-by Power

Transfer Switches

Automatic

100%

2039

* *

1

\$3,900

Generators

Diesel

100%

2035

* *

1

\$4,900

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 62 Kw Generator*

Batteries

Lead/Acid

100%

2020

\$1,600

5

\$500

Fuel Storage

Main Tank

100%

2054

* *

5

\$400

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 75 Gallon Tank*

Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 33/LADDER CO. 9
Asset # : 13021

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	95%			2026	\$35,600	10	\$11,000	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Incandescent	5%			2021	\$4,400	2		
Egress Lighting								
Exit, Service	20%			2021	\$300	1		
No Component	80%							
Exterior Lighting								
HID	50%			2031	**	10		
No Component	50%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2046	**	1		
Conversion Equipment Steam Boiler	100%			2039	**	1	\$12,500	
Distribution								
Central Plant Steam Piping/Pmp	100%			2036	**	4	\$900	
Terminal Devices								
Convactor/Radiator	90%			2031	**	1	\$3,700	
Unit Heater - Steam	10%			2026	\$4,600	4	\$100	
Air Conditioning								
Energy Source Electricity	100%			2042	**	1		
Conversion Equipment Window/Wall Unit	30%			2021	\$8,100	1		
No Component	70%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$7,100	
Exhaust Fans								
Roof	30%	Now	\$6,400	2036	**	2	\$100	
<i>Malfunctioning, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen Grill</i>								
<i>Noisy/Vibrating, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen Grill</i>								
Roof	70%			2031	**	2	\$300	

Plumbing

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 33/LADDER CO. 9
Asset # : 13021

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	H/C Water Piping Brass/Copper	100%			2046	* *	1		
<i>Booster Pump w/Tank, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
	Water Heater Gas Fired	100%			2021	\$7,900	2	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
<i>Explanation : 2 - 75 Gallon Units</i>									
	Sanitary Piping Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping Cast Iron	100%			LIFE	* *	1		
	Fixtures Generic	100%							
Fire Suppression									
	Chemical System Generic	100%			2024	\$2,100	1-3	\$3,700	

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 330/LADDER CO. 172
Address : 2312 65th STREET BTWN W. 4TH ST - W. 5TH ST
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.330 / 13212 **Yr Built/Renovated** : 1965 / 2012
Area Sq Ft : 7,740 **Project Type** : FIRE DEPARTMENT
Date of Survey : 14-Mar-2013 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 6580 **Lot** : 6 **BIN** : 3173419

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$42,300	
Electrical		\$87,300
Mechanical	\$44,600	
Total	\$86,900	\$87,300
Importance Code A	\$86,900	
Importance Code B		\$87,300
Total	\$86,900	\$87,300

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$39,900			
Interior Architecture	\$59,600			\$500
Electrical	\$2,500			
Mechanical	\$23,000	\$800	\$700	\$32,400
Site Enclosure	\$11,700			
Total	\$136,700	\$800	\$700	\$32,900
Importance Code A	\$40,000	\$400	\$400	\$400
Importance Code B	\$75,700	\$400	\$300	\$32,500
Importance Code C	\$21,000			
Total	\$136,700	\$800	\$700	\$32,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 330/LADDER CO. 172
Asset # : 13212

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	30%	0-2	\$42,300	2044	**			
<i>Deformed/Dented, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Both Sides Of Building</i>								
Masonry: Brick	60%			LIFE	**	5	\$12,800	
Wood Overhead Doors	10%			2044	**	5	\$10,600	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%	0-2	\$22,500	2049	**	5	\$300	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Top Of Parapet Walls</i>								
<i>Explanation : Coping</i>								
Masonry: Brick	90%			LIFE	**	5	\$1,100	
Roof								
Modified Bitumen	30%			2029	**	10	\$3,100	
Roll Roofing	70%	0-2	\$8,900	2023	\$29,800	5	\$6,000	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	50%	0-2	\$5,600	LIFE	**	5	\$11,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%	0-2	\$3,200	2033	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Quarry Tile	10%	0-2	\$9,300	2037	**	5	\$800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor Locker Area</i>								
Vinyl Tile	25%	0-2	\$9,200	2029	**	3	\$1,000	
<i>Split/Cracked, Extent : Light, Area Affected : 5%</i>								
<i>Location : 3rd Floor</i>								
Vinyl Tile	10%	Now	\$9,200	2034	**	3	\$400	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor Hallway</i>								
<i>Explanation : 9x9's Need Replacement</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 330/LADDER CO. 172
Asset # : 13212

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	5%			LIFE	**			
Ceramic Tile	10%			2033	**	5	\$500	
Concrete Masonry Unit	5%	0-2	\$1,000	LIFE	**	5	\$100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Gypsum Board	15%	0-2	\$300	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Plaster	10%			LIFE	**	5	\$100	
SGFT/Glazed Masonry	45%	0-2	\$8,000	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Wood	10%			LIFE	**	5	\$1,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd Floor Gymnasium</i>								
<i>Explanation : Walls Are Covered</i>								
Ceilings								
AcousTileSusp.Lay-In	20%	0-2	\$1,800	2037	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Exposed Concrete	20%	0-2	\$3,500	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Plaster	60%	2-4	\$8,500	LIFE	**	5	\$4,100	
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
<i>Other Observation, Extent : Severe, Area Affected : 70%</i>								
<i>Location : 3rd Floor</i>								
<i>Explanation : Paint Peeling On Bunk Room Ceiling</i>								
Site Enclosure								
Fence/Gates								
Chain link	100%	0-2	\$11,700	2044	**			
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Front Left And Right Sides Of Building</i>								
<i>Explanation : Chain Link Gates</i>								
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2037	**			
Parking/Driveway								
Cast in Place Concrete	100%			2037	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 330/LADDER CO. 172
Asset # : 13212

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2024	\$4,800	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Electrical Room</i>								
<i>Explanation : 1- 400 Amperes Switch</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2024	\$48,800	5		
Raceway								
Conduit	100%			2034	**	1		
Panelboards								
Molded Case Bkrs	100%			2023	\$38,500	5	\$200	
Wiring								
Thermoplastic	100%			2024	\$27,700	1		
Motor Controllers								
Locally Mounted	100%			2029	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Main</i>								
Lighting								
Interior Lighting								
Fluorescent	95%			2024	\$19,900	10	\$6,700	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-12 In Basement / T-8 At 1st Floor</i>								
Incandescent	5%			2019	\$2,500	2		
Exterior Lighting								
HID	100%			2024	\$29,200	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2034	**	1		
Conversion Equipment								
Furnace	20%			2029	**	1	\$800	
Hot Water Boiler	80%	0-2	\$44,600	2044	**	1	\$2,800	
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Distribution								
Hot Wtr Piping/Pump	80%			2032	**	4	\$500	
No Component	20%							

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FIRE DEPARTMENT - 057
ENGINE CO. 330/LADDER CO. 172
Asset # : 13212

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Convactor/Radiator	100%			2029	**	1	\$2,500	
Air Conditioning								
Energy Source								
Electricity	100%			2032	**	1		
Conversion Equipment								
Window/Wall Unit	100%	Now	\$15,100	2024	\$15,100	1		
			<i>On Extended Life, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : 2nd Floor</i>					
Ventilation								
Exhaust Fans								
Wall Unit	100%	0-2	\$2,600	2034	**	2	\$200	
			<i>Malfunctioning, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Apparatus Floor</i>					
Plumbing								
H/C Water Piping								
Galvanized Steel	100%	0-2	\$1,600	2022	\$31,800	1		
			<i>Corroded, Extent : Moderate, Area Affected : 5%</i>					
			<i>Location : Shut Off Valve</i>					
Sanitary Piping								
Cast Iron	100%	Now	\$2,600	LIFE	**	1		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Apparatus Floor</i>					
			<i>Explanation : Backs Up</i>					
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%	0-2	\$200	2019	\$200	4	\$200	
			<i>On Extended Life, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
Fixtures								
Generic	100%							
			<i>Obsolete Fixtures, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Total House</i>					
Fire Suppression								
Chemical System								
No Component	90%							
Generic	10%			2019	\$200	1-3	\$400	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Fire Extinguishers</i>					

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 331/LADDER CO. 173
Address : 158-57 CROSS BAY BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.331 / 13213 **Yr Built/Renovated** : 1966 / 2003
Area Sq Ft : 8,732 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Apr-2012 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 14163 **Lot** : 101 **BIN** : 4295071

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$127,700
Interior Architecture		\$3,000
Electrical	\$34,600	
Mechanical		\$62,900
Total	\$34,600	\$193,700
Importance Code A		\$190,600
Importance Code B	\$34,600	\$3,000
Total	\$34,600	\$193,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$20,600			
Interior Architecture	\$50,100		\$700	\$900
Electrical	\$29,100			\$100
Mechanical	\$30,000	\$900	\$8,800	\$900
Total	\$129,900	\$1,000	\$9,500	\$1,900
Importance Code A	\$21,100	\$400	\$400	\$400
Importance Code B	\$91,800	\$500	\$8,600	\$1,500
Importance Code C	\$17,000		\$500	
Total	\$129,900	\$1,000	\$9,500	\$1,900



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 331/LADDER CO. 173
Asset # : 13213

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	90%			LIFE	**	5	\$17,400	
Metal Sect. OHD	10%	Now	\$3,000	2028	\$60,400	5	\$3,000	
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Side Facades</i>								
<i>Explanation : Two Metal Doors Deteriorated</i>								
Windows								
Aluminum	95%	Now	\$3,200	2031	**	5	\$800	
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Metal Louvers	5%			2026	\$2,400	10	\$500	
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$1,300	
Masonry: Brick	70%			LIFE	**	5	\$2,300	
<i>Diagonal Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : 2nd Floor Bulkhead</i>								
Metal Rail	25%			2028	\$22,300	5-10	\$15,100	
Roof								
Asphalt Shingle	13%	0-2	\$3,000	2036	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Over Lounge</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Over Kitchen</i>								
Modified Bitumen	85%	Now	\$3,400	2023	\$67,300			
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Front Near Housewatch</i>								
Skylight, Metal/Glass	2%	Now	\$8,000	2043	**			1
<i>Water Penetration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Skylight At Kitchen</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 331/LADDER CO. 173
Asset # : 13213

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Carpet	4%			2019	\$6,100	3	\$1,000	
Cast in Place Concrete	40%	4+	\$2,500	LIFE	**	5	\$10,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor Near Rear</i>								
Ceramic Tile	4%			2026	\$9,200	5	\$500	
Quarry Tile	5%			2028	\$17,100	5	\$900	
Terrazzo	4%			LIFE	**	5	\$400	
Vinyl Tile	40%	4+	\$20,200	2033	**	3	\$1,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : 2nd Floor</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 90 Percent Of 2nd Floor</i>								
<i>Explanation : 9 X 9 Tiles</i>								
Vinyl Tile	3%			2028	\$3,000	3	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 10 Percent Of 2nd Floor</i>								
<i>Explanation : 12 X 12 Tiles</i>								
Interior Walls								
Ceramic Tile	5%			2026	\$25,400	5	\$900	
Concrete Masonry Unit	40%	Now	\$8,200	LIFE	**	5	\$2,900	
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Stairwell</i>								
Plaster	20%	0-2	\$8,900	LIFE	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 35%</i>								
<i>Location : 2nd Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
SGFT/Glazed Masonry	35%			LIFE	**			
Ceilings								
Exposed Concrete	35%			LIFE	**	5	\$600	
Gypsum Board	10%			LIFE	**	5	\$1,400	
Plaster	55%	0-2	\$4,100	LIFE	**	5	\$3,900	
<i>Spalling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 1st Floor Rear And 2nd Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor Rear</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

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FIRE DEPARTMENT - 057
ENGINE CO. 331/LADDER CO. 173
Asset # : 13213

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
	Service Equipment							
	Molded Case Bkrs	100%			2023	\$4,800	5	\$200
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : 1st Floor Electrical Closet</i>				
				<i>Explanation : 350 Amperes Main Circuit Breaker</i>				
<hr/>								
	Raceway							
	Conduit	95%			2023	\$29,700	1	
	Conduit	5%			2023	\$1,600	1	
<hr/>								
	Panelboards							
	Molded Case Bkrs	90%			2022	\$34,600	5	\$200
				<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>				
				<i>Location : 1st Floor</i>				
				<i>Explanation : Circuit Breakers Trip When Appliances Are Plugged In</i>				
	Molded Case Bkrs	10%	0-2	\$3,800	2048	**	5	
				<i>Obsolete Equipment, Extent : Severe, Area Affected : 100%</i>				
				<i>Location : Kitchen And Lounge</i>				
				<i>On Extended Life, Extent : Severe, Area Affected : 100%</i>				
				<i>Location : 1st Floor Kitchen</i>				
<hr/>								
	Wiring							
	Braided Cloth	5%	0-2	\$1,400	2048	**	1	
				<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Throughout</i>				
	Thermoplastic	95%			2033	**	1	
<hr/>								
	Motor Controllers							
	Locally Mounted	100%			2028	\$14,400	5	\$100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : 1st Floor</i>				
				<i>Explanation : Motor Controllers For 2 Overhead Doors</i>				
<hr/>								
	Ground							
	Grounding Devices							
	Generic	100%			LIFE	**	5	\$100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : 1st Floor</i>				
				<i>Explanation : 2 Ground Devices</i>				
<hr/>								
	Lighting							

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FIRE DEPARTMENT - 057
ENGINE CO. 331/LADDER CO. 173
Asset # : 13213

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	45%	0-2	\$4,300	2028	\$10,600			
<i>Damaged Fixtures, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Inadequate Lighting Level, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 1st Floor Apparatus Area</i>								
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
Fluorescent	45%			2023	\$10,600	10	\$3,600	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	10%	0-2	\$2,800	2023	\$5,600	2		
<i>Damaged Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floor Television Rooms</i>								
<i>Explanation : Incandescent Lamps In Use</i>								
<hr/>								
Exterior Lighting HID	25%	4+	\$4,100	2028	\$8,200			
<i>Outdr Lights On During Daytime, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Exterior - Front</i>								
Incandescent	75%	4+	\$10,500	2023	\$21,000	2		
<i>Damaged Fixtures, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Exterior Throughout</i>								
<hr/>								
Lightning Protection								
Arresters/Cabling Generic	100%			2038	**	5	\$300	
<hr/>								
Alarm								
Fire/Smoke Detection No Component Generic	95%							
	5%	0-2	\$2,300	2028	\$4,500	1-3	\$200	
<i>Devices Missing, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2033	**	1		
Conversion Equipment Hot Water Boiler	100%			2028	\$62,900	1	\$4,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Mechanical Room</i>								
<i>Explanation : 2 Hydrotherm Modular Boilers. Original Equipment</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 331/LADDER CO. 173
Asset # : 13213

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Distribution								
	Hot Wtr Piping/Pump	100%		2031	**	4	\$600	
Terminal Devices								
	Convactor/Radiator	60%		2028	\$26,200	1	\$1,700	
	Unit Heater - Steam	40%		2019	\$11,700	4	\$500	
Air Conditioning								
Energy Source								
	Electricity	100%		2039	**	1		
Conversion Equipment								
	Window/Wall Unit	100%		2019	\$17,000	1		
Ventilation								
Distribution								
	Ductwork/Diffusers	50%		LIFE	**	2-5	\$2,400	
	No Component	50%						
Exhaust Fans								
	Roof	100%		2028	\$13,600	2	\$300	
Plumbing								
H/C Water Piping								
	Brass/Copper	10%		2043	**	1		
	Galvanized Steel	90%		2028	\$32,200	1		
Water Heater								
	Gas Fired	100%		2021	\$5,000	2	\$100	
Sanitary Piping								
	Cast Iron	100%		LIFE	**	1		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : 1st Floor Mechanical Room</i>							
	<i>Explanation : One 75 Gallon Heater</i>							
Storm Drain Piping								
	Cast Iron	100%		LIFE	**	1		
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System								
	Wet	100%		2021	\$2,100	1-3	\$4,200	

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 332/LADDER CO. 175 / RAC 2
Address : 165 BRADFORD STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.332 / 13214 **Yr Built/Renovated** : 1984 / 2009
Area Sq Ft : 7,789 **Project Type** : FIRE DEPARTMENT
Date of Survey : 11-Apr-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3691 **Lot** : 1 **BIN** : 3083579

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$171,300
Interior Architecture		\$47,100
Electrical	\$50,500	\$126,500
Mechanical	\$50,500	\$109,100
Total	\$101,000	\$454,000
Importance Code A	\$50,500	\$171,300
Importance Code B	\$50,500	\$282,700
Total	\$101,000	\$454,000

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$27,600		\$9,400	\$21,500
Interior Architecture	\$900	\$400	\$700	
Electrical	\$16,400	\$1,100	\$16,900	\$1,200
Mechanical	\$26,900	\$700	\$1,800	\$9,800
Total	\$71,900	\$2,300	\$28,900	\$32,500
Importance Code A	\$28,000	\$400	\$9,800	\$21,900
Importance Code B	\$43,900	\$1,900	\$19,000	\$10,600
Importance Code C			\$200	
Total	\$71,900	\$2,300	\$28,900	\$32,500



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FIRE DEPARTMENT - 057
ENGINE CO. 332/LADDER CO. 175 / RAC 2
Asset # : 13214

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2043	**	10	\$200	
Masonry: Brick	75%	Now	\$27,600	LIFE	**	5	\$9,200	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : At Right Of Overhead Doors</i>								
<i>Split/Cracked, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : At Left Of Overhead Doors 2nd Floor Corner</i>								
Metal Coiling Doors	10%			2028	\$69,200	5	\$3,800	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Coiling Door Housing</i>								
Wood Overhead Doors	10%			2028	\$38,600	5	\$6,100	
Windows								
Aluminum	100%			2022	\$21,300	5	\$500	
Parapets								
Metal Panel	40%			2033	**	5	\$3,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Roof</i>								
<i>Explanation : Metal Coping</i>								
Metal Rail	60%			2036	**	5-10	\$24,000	
Roof								
Modified Bitumen	100%			2023	\$63,600	10	\$10,900	
<i>Alligatoring, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Seams</i>								
<i>Debris Present, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2 Story Roof</i>								
Interior								
Floors								
Cast in Place Concrete	55%			LIFE	**	5	\$14,000	
Ceramic Tile	10%			2026	\$22,600	5	\$1,200	
Quarry Tile	3%			2028	\$10,000	5	\$500	
Vinyl Tile	30%			2023	\$29,700	3	\$1,300	
<i>Worn/Eroded, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout 2nd Floor</i>								
Wood	2%			2038	**	5	\$400	
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	5%			2026	\$9,000	5	\$300	
Concrete Masonry Unit	45%			LIFE	**	5	\$1,200	
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Dormitory- Under Windows</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor- Locker Room And Office</i>								
Gypsum Board	5%			LIFE	**	5	\$200	
SGFT/Glazed Masonry	35%			LIFE	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 332/LADDER CO. 175 / RAC 2
Asset # : 13214

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Interior

Ceilings

AcousTileSusp.Lay-In	50%	4+	\$900	2028	\$47,100	5	\$2,900	
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Staining/Discoloring, Extent : Moderate, Area Affected : 5%

Location : Kitchen And Office

Exposed Struc: Steel	20%			LIFE	**			
Gypsum Board	30%			LIFE	**	5	\$4,400	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	75%			2043	**	5		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement Electrical Section

Explanation : Main Service 400 Amp

No Component	25%							
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Other Observation, Extent : Light, Area Affected : 0%

Location : Basement Electrical Section

Explanation : Abandoned In Place

Raceway

Conduit	80%			2023	\$25,000	1		
Conduit	20%			2043	**	1		

Panelboards

Molded Case Bkrs	80%			2022	\$30,800	5	\$200	
Molded Case Bkrs	20%			2039	**	5		

Wiring

Thermoplastic	80%			2023	\$22,200	1		
Thermoplastic	20%			2043	**	1		

Motor Controllers

Locally Mounted	100%			2021	\$14,400	5	\$100	
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Stand-by Power

Transfer Switches

Automatic	30%			2021	\$1,400	1	\$700	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement Electrical Section

Explanation : 150 Amp, 1 Ph, 120/240 V For Firehouse

Automatic	70%			2028	\$3,400	1	\$1,700	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement Electrical Section

Explanation : 600 Amp, 3 Ph 120/208 V For Compressor Room

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FIRE DEPARTMENT - 057
ENGINE CO. 332/LADDER CO. 175 / RAC 2
Asset # : 13214

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power Generators								
Diesel	30%			2019	\$19,700	1	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 37 Kw/ 46 Kva, 1 Ph, 120/240 V For Firehouse</i>								
Diesel	70%			2026	\$46,000	1	\$2,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : In Backyard</i>								
<i>Explanation : 150 Kw / 187.5 Kva, 3 Ph, 120/208 V For Compressor Room</i>								
Batteries								
Lead/Acid	100%			2019	\$1,500	5	\$300	
Fuel Storage								
Day Tank	10%			2022	\$100	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Emergency Generator Room</i>								
<i>Explanation : 275 Gallon Diesel Fuel Stand Alone Tank For Firehouse</i>								
Day Tank	15%			2031	* *	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Backyard</i>								
<i>Explanation : 500 Gallon Sub-basement Diesel Fuel Tank For Compressor Room</i>								
Main Tank	75%			2038	* *	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Underground</i>								
<i>Explanation : 3000 Gallon Diesel Fuel Tank For Trucks</i>								
Lighting								
Interior Lighting								
Fluorescent	80%			2028	\$16,900	10	\$5,700	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
HID	10%			2023	\$800	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor And Compressor Room</i>								
<i>Explanation : Pendant Mounted</i>								
Incandescent	10%			2023	\$5,000	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Dining Room And Bunkroom</i>								
<i>Explanation : Downlights</i>								
Egress Lighting								
Emergency, Service	50%			2023	\$1,900	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : On Emergency Generator</i>								
Exit, Service	50%			2023	\$400	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 332/LADDER CO. 175 / RAC 2
Asset # : 13214

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting

HID

30% Now \$8,800 2033 **

*Other Observation, Extent : Light, Area Affected : 100%**Location : Facade**Explanation : Burnt Out, Wall Mounted, Controlled Via Photocell*

HID

20% 2028 \$5,900 10

*Other Observation, Extent : Light, Area Affected : 100%**Location : Facade**Explanation : Wall Mounted, Controlled Via Photocell*

Incandescent

20% Now \$5,000 2033 ** 2

*Other Observation, Extent : Light, Area Affected : 100%**Location : Side Parking Lot**Explanation : Burnt Out Downlights, Controlled Via Switch*

Incandescent

30% 2023 \$7,500 2

*Other Observation, Extent : Light, Area Affected : 100%**Location : Side Yard**Explanation : Downlights, Controlled Via Switch***Alarm**

Fire/Smoke Detection

Generic

100% 2023 \$80,500 1-3 \$4,800

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : Full Sprinkler Alarm System*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100% 2043 ** 1

Conversion Equipment

Furnace

10% 2028 \$1,700 1 \$400

*Other Observation, Extent : Light, Area Affected : 100%**Location : 1st Floor**Explanation : Gas Fire Unit Heaters Serve Air Bottle Fill Area*

Hot Water Boiler

90% 2021 \$50,500 1 \$3,500

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 3 Section Modular Boiler*

Distribution

Hot Wtr Piping/Pump

100% 2031 ** 4 \$600

Terminal Devices

Fan Coil Unit/Heat

100% Now \$21,800 2023 \$109,100 1 \$2,300

*Other Observation, Extent : Moderate, Area Affected : 25%**Location : Throughout**Explanation : Covers Damaged / Bent*

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FIRE DEPARTMENT - 057
ENGINE CO. 332/LADDER CO. 175 / RAC 2
Asset # : 13214

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Energy Source								
	Electricity	100%			2039	**	1	
Conversion Equipment								
	Exterior Pkg Unit - Cooling	20%			2028	\$11,800	2	\$100
	Window/Wall Unit	60%			2022	\$9,100	1	
	No Component	20%						
Distribution								
	Ductwork/Diffusers	20%			LIFE	**	2	\$2,000
	No Component	80%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,300
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
	<i>Explanation : Includes Make- Up Air</i>							
Exhaust Fans								
	Interior	50%			2023	\$13,000	2	\$100
	Roof	50%			2028	\$6,000	2	\$100
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Roof</i>							
	<i>Explanation : 2 Units Are Not Connected By Any Means. They Are Broken And Abandoned On The Roof.</i>							
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2033	**	1	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 2 Booster Pumps</i>							
Water Heater								
	Gas Fired	100%			2019	\$4,400	2	\$100
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 2 - 75 Gallon Units</i>							
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Backflow Preventer								
	No Component	95%						
	Generic	5%			2023	\$100	1	
Fixtures								
	Generic	100%						
Fire Suppression								

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FIRE DEPARTMENT - 057
ENGINE CO. 332/LADDER CO. 175 / RAC 2
Asset # : 13214

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost

Fire Suppression								
Sprinkler								
	No Component	90%						
	Generic	10%			2033	* *	1-2	\$200

Other Observation, Extent : Light, Area Affected : 100%

Location : 1st And 2nd Floor

Explanation : Serves Stair And Corridor Only

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 34/LADDER CO. 21
Address : 440 WEST 38th STREET BTWN: 9TH AVE. - 10TH AVE.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.034 / 13022 **Yr Built/Renovated** : 1937 / 1998
Area Sq Ft : 9,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 19-Mar-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Floors 1,2
Block : 735 **Lot** : 61 **BIN** : 1012982

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$45,100	\$67,500
Interior Architecture		\$44,200
Electrical		\$88,400
Mechanical		\$45,100
Total	\$45,100	\$245,200
Importance Code A	\$45,100	\$67,500
Importance Code B		\$177,700
Total	\$45,100	\$245,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$82,600		\$10,500	
Interior Architecture	\$8,500			\$1,300
Electrical	\$23,000	\$800	\$900	\$1,000
Mechanical	\$14,800	\$1,500	\$9,500	\$1,500
Total	\$128,800	\$2,300	\$20,900	\$3,800
Importance Code A	\$83,400	\$900	\$11,400	\$900
Importance Code B	\$41,900	\$1,400	\$9,500	\$2,900
Importance Code C	\$3,500			
Total	\$128,800	\$2,300	\$20,900	\$3,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 34/LADDER CO. 21
Asset # : 13022

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	60%	Now	\$45,100	LIFE	**	5	\$15,000	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 3%</i>								
<i>Location : Hose Tower And Isolated Locations Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout North Facade</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd Floor Street Front Windows</i>								
Masonry: Limestone	10%	0-2	\$27,200	LIFE	**	5	\$1,900	
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Street Front</i>								
Metal Sect. OHD	25%			2036	**	5	\$19,500	
Granite Panels	5%			LIFE	**	5	\$900	
Windows								
Aluminum	100%			2031	**	5	\$1,400	
Parapets								
Masonry: Brick	70%	0-2	\$29,100	LIFE	**	5	\$1,700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Spalling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Various Locations Throughout</i>								
Masonry: Limestone	10%			LIFE	**	5	\$300	
Masonry: Sandstone	20%	Now	\$12,700	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Roof								
Modified Bitumen	95%	Now	\$13,500	2023		\$67,500		1
<i>Blisters, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Four Corners</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Four Corners</i>								
Skylight, Metal/Glass	1%			2023	\$18,000	10	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Over Stairwell</i>								
<i>Explanation : Skylight</i>								
Not Accessible	4%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Roof Over Hose Tower And Bulkhead</i>								
<i>Explanation : Roof Is Not Accessible</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 34/LADDER CO. 21
Asset # : 13022

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$11,400	
<i>Recent Replace Evident, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	10%			2032	**	5	\$1,300	
Quarry Tile	5%			2028	\$18,700	5	\$1,000	
Terrazzo	5%			LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 0%</i>								
<i>Location : 2nd Floor</i>								
Vinyl Tile	40%	0-2	\$4,400	2028	\$44,200	3	\$2,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Cellar</i>								
Interior Walls								
Concrete Masonry Unit	20%			LIFE	**	5	\$1,200	
Gypsum Board	20%			LIFE	**	5	\$1,700	
Plaster	30%	0-2	\$3,500	LIFE	**	5	\$1,300	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Along The 2nd Floor Street Front Wall</i>								
SGFT/Glazed Masonry	30%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	5%			2028	\$2,400	5	\$300	
<i>Staining/Discoloring, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Street Front</i>								
Exposed Concrete	35%			LIFE	**	5	\$300	
<i>Spalling, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Kitchen</i>								
Exposed Struc: Steel	20%			LIFE	**			
Plaster	40%	4+	\$600	LIFE	**	5	\$1,500	
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor Rear Shower Room</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 34/LADDER CO. 21
Asset # : 13022

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2043	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Section</i>								
<i>Explanation : 400 Amperes Main Disconnect Switch</i>								
<hr/>								
Raceway								
Conduit	100%			2043	**	1		
<hr/>								
Panelboards								
Fused Disc Sw	10%			2039	**	5		
Molded Case Bkrs	45%			2039	**	5	\$100	
Molded Case Bkrs	45%			2031	**	5	\$100	
<hr/>								
Wiring								
Thermoplastic	50%			2043	**	1		
Thermoplastic	50%			2033	**	1		
<hr/>								
Motor Controllers								
Locally Mounted	50%	Now	\$7,200	2043	**	5		
<i>Not Functioning, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor Rear Corridor</i>								
Locally Mounted	50%			2036	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Controls The Doors</i>								
<hr/>								
Ground								
Grounding Devices								
Generic	100%	Now	\$9,500	LIFE	**	5	\$100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement- Front Wall</i>								
<i>Explanation : Not Attached To Water Service.</i>								
<hr/>								
Lighting								
Interior Lighting								
Fluorescent	95%			2028	\$23,200	10	\$7,800	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	4%			2023	\$2,300	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Lounge Area</i>								
<i>Explanation : Controlled By Dimmers</i>								
Incandescent	1%	Now	\$600	2033	**	2		
<i>Damaged Fixtures, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<hr/>								
Egress Lighting								
Emergency, Battery	50%			2023	\$6,100	10	\$1,100	
Exit, Service	50%			2023	\$500	1		
<hr/>								
Exterior Lighting								
HID	100%			2023	\$33,900	10		

Alarm

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 34/LADDER CO. 21
Asset # : 13022

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Security System

Generic

100%		2028	\$27,200	1	\$3,400
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Front Of Building**Explanation : Four Wall Mounted Closed-Circuit Television Surveillance Cameras*

Fire/Smoke Detection

Generic

95%		2028	\$88,400	1-3	\$5,400
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement And Throughout Floors**Explanation : Control Panel, Smoke Detectors, Strobe Lights And Bells*

Generic

5%	Now	2033	\$4,700	**	1-3	\$200
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*Devices Damaged, Extent : Light, Area Affected : 100%**Location : Basement*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%		2043		**	1
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Conversion Equipment

Steam Boiler

100%		2036		**	1	\$8,900
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Distribution

Central Plant Steam

100%		2033		**	4	\$400
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Piping/Pmp

Terminal Devices

Convactor/Radiator

100%		2028	\$45,100	1	\$2,900
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Air Conditioning

Energy Source

Electricity

100%		2039		**	1
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Conversion Equipment

Window/Wall Unit

75%		2019	\$13,200	1
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No Component

25%

Ventilation

Distribution

Ductwork/Diffusers

10%		LIFE		**	2-5	\$500
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No Component

90%

Exhaust Fans

Interior

40%		2023	\$12,000	2	\$100
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Roof

60%		2023	\$8,400	2	\$200
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*Other Observation, Extent : Moderate, Area Affected : 50%**Location : Main Roof**Explanation : Motor Controller Not Functioning*

Plumbing

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FIRE DEPARTMENT - 057
ENGINE CO. 34/LADDER CO. 21
Asset # : 13022

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
H/C Water Piping	Brass/Copper	50%			2033	**	1	
	Galvanized Steel	50%			2028	\$18,500	1	
Water Heater	Gas Fired	100%			2021	\$5,100	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Mechanical Room</i>								
<i>Explanation : Two 75 Gallon Tanks</i>								
Sanitary Piping	Cast Iron	25%			LIFE	**	1	
	Cast Iron	75%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)	Non-Submersible	100%			2023	\$1,300	4	\$300
Backflow Preventer	No Component	95%						
	Generic	5%			2023	\$100	1	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Mechanical Room</i>								
<i>Explanation : Serves Boiler Water Makeup Feed Only</i>								
Fixtures	Generic	100%						
<i>Obsolete Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fire Suppression	Chemical System							
	Wet	100%			2021	\$2,100	1-3	\$4,200

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 35/LADDER 14/ BATTALION 12
Address : 2282 THIRD AVENUE
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.035 / 13023 **Yr Built/Renovated** : 1974 /
Area Sq Ft : 10,900 **Project Type** : FIRE DEPARTMENT
Date of Survey : 13-Jul-2016 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 1773 **Lot** : 33 **BIN** : 1054465

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$142,500	
Interior Architecture		\$50,600
Electrical	\$41,100	\$77,700
Mechanical		\$78,600
Total	\$183,600	\$206,800
Importance Code A	\$142,500	\$78,600
Importance Code B	\$41,100	\$128,300
Total	\$183,600	\$206,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$25,700	\$4,200		\$800
Interior Architecture	\$38,300		\$400	\$3,000
Electrical	\$200	\$200	\$200	\$28,500
Mechanical	\$10,600	\$1,100	\$1,600	\$31,000
Total	\$74,800	\$5,500	\$2,200	\$63,300
Importance Code A	\$26,200	\$4,700	\$500	\$1,500
Importance Code B	\$45,800	\$700	\$1,600	\$61,800
Importance Code C	\$2,800			
Total	\$74,800	\$5,500	\$2,200	\$63,300



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 35/LADDER 14/ BATTALION 12
Asset # : 13023

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Concrete Masonry Unit	45%			LIFE	**	5	\$5,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Split Faced Finish</i>								
Masonry: Brick	43%	0-2	\$13,500	LIFE	**	5	\$9,000	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Base Perimeter Of Building At Grade</i>								
Metal Panel	2%			2037	**	5-10	\$2,900	
Metal Sect. OHD	10%			2044	**	5	\$6,500	
Windows								
Aluminum	100%	Now	\$49,500	2052	**	5	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Second Floor</i>								
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Parapets								
Concrete Masonry Unit	45%	Now	\$7,800	LIFE	**	5	\$1,400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 25%</i>								
<i>Location : Outer Parapet Wall</i>								
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Underside Of Coping</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 15%</i>								
<i>Location : Corners - Outer Parapet Wall</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Split Faced Finish</i>								
Masonry: Brick	40%			LIFE	**	5	\$1,100	
Pre-Cast Concrete	10%			LIFE	**	5	\$1,700	
Stucco Cement	5%	2-4	\$1,100	2040	**	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout Parapet</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 35/LADDER 14/ BATTALION 12
Asset # : 13023

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Modified Bitumen	95%	Now	\$93,000	2037		**		
<i>Blisters, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Drains Inad/Misposn, Extent : Light, Area Affected : 10%</i>								
<i>Location : Main Roof</i>								
<i>Miss/Damaged Flashings, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Both Roofs</i>								
<i>Ponding, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Soft Spots - Upper And Lower Roofs</i>								
<i>Ridging, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Main Roof Under Rooftop Units</i>								
Roll Roofing	5%			2020	\$3,500	5	\$1,400	
Interior								
Floors								
Cast in Place Concrete	20%	4+	\$3,100	LIFE		**	5	\$6,500
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Room</i>								
Cast in Place Concrete	20%			LIFE		**	5	\$6,500
Ceramic Tile	5%			2023	\$14,400		5	\$700
Ceramic Tile	5%			2036		**	5	\$700
Quarry Tile	10%			2032		**	5	\$2,200
Vinyl Tile	40%	Now	\$5,100	2027	\$50,600		3	\$2,200
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%	Now	\$2,800	2030		**	5	\$500
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : First And Second Floor Bathrooms</i>								
Concrete Masonry Unit	35%			LIFE		**	5	\$2,900
Gypsum Board	30%			LIFE		**	5	\$3,700
SGFT/Glazed Masonry	30%			LIFE		**		
Ceilings								
AcousTileSusp.Lay-In	15%			2032		**	5	\$2,200
Exposed Concrete	15%			LIFE		**	5	\$300
Plaster	70%	0-2	\$27,300	LIFE		**	5	\$6,500
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Second Floor - Throughout</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 35/LADDER 14/ BATTALION 12
Asset # : 13023

Electrical	Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2027	\$4,800	5	\$300	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement Service Room</i>						
		<i>Explanation : One 300 Amperes Main Disconnect Switch</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2027	\$48,800	5	\$300	
Raceway								
Conduit	95%			2027	\$29,700	1		
Conduit	5%			2047	**	1		
Panelboards								
Fused Disc Sw	5%			2026	\$1,900	5		
Molded Case Bkrs	75%			2026	\$28,900	5	\$200	
Molded Case Bkrs	20%			2043	**	5	\$100	
Wiring								
Thermoplastic	95%			2027	\$26,300	1		
Thermoplastic	5%			2047	**	1		
Motor Controllers								
Locally Mounted	100%			2025	\$14,400	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	55%			2032	**	10	\$5,500	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Fluorescent	40%			2027	\$11,800	10	\$4,000	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Fluorescent	5%			2027	\$1,500	10	\$500	
		<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Uniforms Room</i>						
Egress Lighting								
Exit, Service	50%			2032	**	1		
		<i>Recent Installation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout Building</i>						
No Component	50%							
Exterior Lighting								
HID	100%			2022	\$41,100	10		
Alarm								
Fire/Smoke Detection								
No Component	80%							
Generic, Analog	20%			2022	\$22,500	1-3	\$1,400	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 35/LADDER 14/ BATTALION 12
Asset # : 13023

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Water Heater Gas Fired	100%			2027	\$6,200	2	\$200
			<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 - 100 Gallon Units</i>					
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Sump Pump(s) Non-Submersible	100%			2022	\$1,600	4	\$200
	Fixtures Generic	100%						
Fire Suppression								
	Sprinkler No Component	95%						
			<i>Other Observation, Extent : Light, Area Affected : 0%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : Ansul System Serves Cooking Area</i>					
	Generic	5%			2027	\$5,000	1-2	\$200
	Chemical System Generic	100%			2022	\$1,900	1-3	\$4,000
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : 1 Set</i>					

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 37
Address : 415 WEST 125TH STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.037 / 13025 **Yr Built/Renovated** : 1974 / 2002
Area Sq Ft : 11,778 **Project Type** : FIRE DEPARTMENT
Date of Survey : 12-May-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1966 **Lot** : 61 **BIN** : 1059547

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$202,600	\$80,400
Interior Architecture		\$45,100
Mechanical		\$120,300
Total	\$202,600	\$245,700
Importance Code A	\$202,600	\$165,300
Importance Code B		\$80,400
Total	\$202,600	\$245,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$44,500			\$4,300
Interior Architecture	\$56,400	\$1,800		\$1,200
Electrical	\$1,000	\$100		\$11,400
Mechanical	\$11,400	\$3,300	\$1,500	\$18,200
Total	\$113,200	\$5,200	\$1,600	\$35,100
Importance Code A	\$52,900	\$600	\$600	\$4,900
Importance Code B	\$25,300	\$3,600	\$1,000	\$30,200
Importance Code C	\$34,900	\$1,000		
Total	\$113,200	\$5,200	\$1,600	\$35,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 37
Asset # : 13025

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Metal Sect. OHD	10%			2032	**	5	\$8,600	
Pre-Cast Concrete	90%	Now	\$81,600	LIFE	**	5	\$80,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : East Facade</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Entrance Door - Center Bay</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : East Facade</i>								
Windows								
Aluminum	100%	Now	\$47,600	2052	**	5	\$600	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Second Floor</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : Street Level</i>								
<i>Explanation : Protective Metal Grilles</i>								
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$2,300	LIFE	**	5	\$2,800	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Coping</i>								
Pre-Cast Concrete	90%	Now	\$34,800	LIFE	**	5	\$20,400	
<i>Spalling, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : South And West Facades</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Roof								
Built-Up (BUR)	100%	Now	\$7,300	2022			\$73,400	
<i>Debris Present, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : West Facade</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 37
Asset # : 13025

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$15,800	LIFE	**	5	\$16,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Apparatus Floor</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
Ceramic Tile	10%			2030	**	5	\$1,500	
Quarry Tile	5%			2032	**	5	\$1,100	
Vinyl Tile	35%	Now	\$4,500	2027	\$45,100	3	\$2,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Gymnasium Area</i>								
Interior Walls								
Cast in Place Concrete	10%	0-2	\$2,600	LIFE	**			
<i>Paint Peeling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Basement</i>								
Ceramic Tile	10%			2030	**	5	\$2,100	
Concrete Masonry Unit	40%			LIFE	**	5	\$3,300	
SGFT/Glazed Masonry	40%	0-2	\$32,300	LIFE	**			
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Base Of Wall - Stairs And Hallways</i>								
Ceilings								
AcousTileSusp.Lay-In	10%	4+	\$1,200	2032	**	5	\$800	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Kitchen</i>								
Exposed Concrete	20%			LIFE	**	5	\$500	
Gypsum Board	70%			LIFE	**	5	\$13,300	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2047	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Switch Rated @ 400 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2047	**	5	\$300	
Raceway								
Conduit	100%			2047	**	1		
Panelboards								
Fused Disc Sw	5%			2043	**	5		
Molded Case Bkrs	95%			2043	**	5	\$300	
Wiring								
Thermoplastic	100%			2047	**	1		

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 37
Asset # : 13025

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2040	**	5	\$100	
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								
Interior Lighting								
Fluorescent	96%			2032	**	10	\$10,400	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Fluorescent	3%	Now	\$1,000	2037	**			
		<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Incandescent	1%			2022		2	\$800	
Egress Lighting								
Exit, Service	100%			2032	**	1		
		<i>Lens/Guard Missing, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Second Floor</i>						
Exterior Lighting								
HID	20%			2032	**	10		
No Component	80%							
Alarm								
Security System								
No Component	90%							
Generic	10%			2027		1	\$3,600	\$400
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Locker Rooms</i>						
		<i>Explanation : CCTV Surveillance System</i>						

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2037	**	1		
Conversion Equipment								
Hot Water Boiler	100%	0-2	\$8,500	2025	\$84,900	1	\$5,200	
		<i>Corroded, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Boiler Room</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit</i>						
Distribution								
Hot Wtr Piping/Pump	100%	Now	\$300	2035	**	4	\$600	
		<i>Malfunctioning, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Circulating Pumps</i>						

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FIRE DEPARTMENT - 057
ENGINE CO. 37
Asset # : 13025

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Convactor/Radiator	60%			2025	\$35,400	1	\$2,300	
Unit Heater - Steam	40%			2022	\$15,700	4	\$400	
Air Conditioning								
Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	10%			2027	\$8,900	2	\$100	
		<i>R-22 Refrigerant, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Lower Roof</i>						
Window/Wall Unit	20%			2025	\$4,600	1		
No Component	70%							
Ventilation								
Distribution								
Ductwork/Diffusers	40%			LIFE	**	2-5	\$2,600	
No Component	60%							
Exhaust Fans								
Interior	20%			2027	\$7,800	2	\$100	
Roof	20%	Now	\$1,800	2032	**	2	\$100	
		<i>Broken, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Roof / 2 Of 4 Need Replacement</i>						
Wall Unit	30%			2022	\$1,200	2	\$100	
No Component	30%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2037	**	1		
Water Heater								
Gas Fired	100%			2025	\$6,700	2	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 - 75 Gallon Units</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	100%			2027	\$1,700	4	\$400	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2020	\$1,900	1-3	\$3,700	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : 1 Set</i>						

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 38/LADDER CO. 51
Address : 3446 EASTCHESTER ROAD
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.038 / 13026 **Yr Built/Renovated** : 1928 / 1998
Area Sq Ft : 5,876 **Project Type** : FIRE DEPARTMENT
Date of Survey : 20-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 4723 **Lot** : 45 **BIN** : 2060238

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$182,400	
Total	\$182,400	
Importance Code A	\$182,400	
Total	\$182,400	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$14,300	\$5,700		\$9,500
Interior Architecture			\$900	\$1,500
Electrical		\$100		\$24,400
Mechanical	\$800	\$800	\$1,200	\$800
Site Pavements	\$10,400			
Total	\$25,600	\$6,500	\$2,100	\$36,200
Importance Code A	\$14,900	\$6,200	\$600	\$10,100
Importance Code B	\$300	\$300	\$1,200	\$26,100
Importance Code C	\$10,400		\$300	
Total	\$25,600	\$6,500	\$2,100	\$36,200



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 38/LADDER CO. 51
Asset # : 13026

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	10%			2047	**	10	\$700	
Masonry: Brick	65%	Now	\$133,100	LIFE	**	5	\$14,700	
<i>Paint Peeling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : South, North And East Facades</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : South, North And East Facades</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : South And North Facades</i>								
Masonry: Granite	5%			LIFE	**	5	\$900	
Masonry: Limestone	5%	Now	\$12,400	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West Facade</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : West Facade</i>								
Stucco Cement	5%			2032	**	5	\$2,800	
Wood Overhead Doors	10%			2040	**	5	\$11,300	
Windows								
Aluminum	100%			2043	**	5	\$1,800	
Parapets								
Masonry: Brick	90%	2-4	\$49,300	LIFE	**	5	\$1,700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	5%	2-4	\$2,000	LIFE	**	5	\$100	
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Front Of Building</i>								
Pre-Cast Concrete	5%			LIFE	**	5	\$600	
Roof								
Asphalt Shingle	10%			2036	**	10	\$200	
Modified Bitumen	87%			2032	**	10	\$8,100	
Skylight, Metal/Glass	3%			2037	**	10	\$900	
<i>Not Insulated, Extent : Light, Area Affected : 100%</i>								
<i>Location : Skylight Glazing System Uninsulated</i>								
Interior								
Floors								
Cast in Place Concrete	48%			LIFE	**	5	\$9,200	
Ceramic Tile	5%			2036	**	5	\$400	
Terrazzo	2%			LIFE	**	5	\$100	
Vinyl Tile	30%			2027		3	\$1,000	
Wood	15%			2042	**	5	\$2,500	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 38/LADDER CO. 51
Asset # : 13026

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	5%			2036	**	5	\$700	
Masonry: Brick	10%			LIFE	**			
Plaster	45%			LIFE	**	5	\$1,800	
SGFT/Glazed Masonry	40%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	5%			2032	**	5	\$500	
Exposed Concrete	25%			LIFE	**	5	\$400	
Exposed Struc: Steel	10%			LIFE	**			
Plaster	60%			LIFE	**	5	\$3,700	
Site Enclosure								
Fence/Gates								
Chain link	100%			2037	**			
Site Pavements								
Parking/Driveway								
Cast in Place Concrete	100%	0-2	\$10,400	2040	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Apron Cracking</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2037	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Rated @ 200 Amperes</i>								
Raceway								
Conduit	100%			2037	**	1		
Panelboards								
Fused Disc Sw	10%			2026	\$3,800	5		
Molded Case Bkrs	90%			2035	**	5	\$100	
Wiring								
Thermoplastic	100%			2037	**	1		
Motor Controllers								
Locally Mounted	100%			2032	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Observed On Water Main</i>								

Lighting

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FIRE DEPARTMENT - 057
ENGINE CO. 38/LADDER CO. 51
Asset # : 13026

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	5%			2032	**	10	\$300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : Compact Fluorescent Lamps</i>						
Incandescent	5%			2022	\$1,900	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Tv Room</i>						
		<i>Explanation : Incandescent Lighting Observed</i>						
LED	90%			2032	**			
Exterior Lighting								
HID	100%			2022	\$22,200	10		
		<i>Sensor/Timer Not Installed, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Exterior</i>						

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2047	**	1		
Conversion Equipment								
Furnace	10%			2032	**	1	\$300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outdoor Lounge Area</i>						
		<i>Explanation : 1 Natural Gas Fired Space Heater</i>						
Steam Boiler	90%			2040	**	1	\$5,200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Natural Gas Fired Steam Boiler</i>						
Distribution								
Central Plant Steam Piping/Pmp	100%			2037	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2032	**	1	\$1,900	
Air Conditioning								
Energy Source Electricity	100%			2043	**	1		
Conversion Equipment								
Split Unit	25%			2032	**			
Window/Wall Unit	50%			2025	\$5,700	1		
No Component	25%							
Terminal Devices								
Fan Coil - 2 Pipe	25%			2032	**	1	\$500	
No Component	75%							

Ventilation

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 38/LADDER CO. 51
Asset # : 13026

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation									
	Exhaust Fans								
	Roof	20%			2032	* *	2		
	Wall Unit	20%			2027	\$400	2		
	No Component	60%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2037	* *	1		
	Water Heater								
	Gas Fired	100%			2025	\$3,400	2	\$100	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
				<i>Location : Basement</i>					
				<i>Explanation : 2 - 75 Gallon</i>					
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
				<i>Location : Side Of Building</i>					
				<i>Explanation : Leaders From Roof Pocket Drain Appear To Be Newly Installed</i>					
	Sump Pump(s)								
	Submersible	100%			2021	\$200	4	\$100	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	No Component	95%							
	Generic	5%			2025	\$100	1-3	\$200	

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 39/LADDER CO. 16 (COMBINED FACILITY)
Address : 157 EAST 67th STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.039 / 13027 **Yr Built/Renovated** : 1886 / 1992
Area Sq Ft : 12,960 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Jun-2015 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Floors 1,2,3
Block : 1402 **Lot** : 29 **BIN** : 1072190

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Interior Architecture		\$45,000
Electrical		\$49,700
Mechanical		\$47,100
Total		\$141,800
Importance Code B		\$141,800
Total		\$141,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$4,200			
Interior Architecture	\$24,300	\$1,100		\$600
Electrical	\$5,900	\$200	\$9,600	\$100
Mechanical	\$32,400	\$500	\$5,600	\$600
Total	\$66,700	\$1,800	\$15,300	\$1,300
Importance Code A	\$4,200			
Importance Code B	\$57,100	\$700	\$15,300	\$1,300
Importance Code C	\$5,500	\$1,100		
Total	\$66,700	\$1,800	\$15,300	\$1,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 39/LADDER CO. 16 (COMBINED FACILITY)
Asset # : 13027

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	60%			LIFE	**	5	\$10,000	
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
Masonry: Brownstone	25%			LIFE	**	5	\$3,100	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
Masonry: Granite	5%			LIFE	**	5	\$600	
Wood Overhead Doors	10%			2039	**	5	\$8,400	
Windows								
Aluminum	100%			2048	**	5	\$500	
Parapets								
Not Accessible	100%							
Roof								
Not Accessible	100%							
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$19,100	
Ceramic Tile	5%	2-4	\$1,000	2035	**	5	\$500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Toilets</i>								
Panel/Paver: Concrete	10%			2052	**			
Quarry Tile	5%	2-4	\$1,500	2031	**	5	\$700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Terrazzo	10%			LIFE	**	5	\$1,500	
Vinyl Tile	25%	Now	\$4,500	2026	\$45,000	3	\$1,800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : 3rd Floor Laundry Room.</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Various Locations</i>								
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	10%			2035	**	5	\$2,200	
Concrete Masonry Unit	15%	2-4	\$4,000	LIFE	**	5	\$1,300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Basement Corridor</i>								
Glass: Single Pane	5%			LIFE	**	5	\$800	
Gypsum Board	5%	Now	\$1,500	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Lounge And Gymnasium</i>								
SGFT/Glazed Masonry	55%			LIFE	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 39/LADDER CO. 16 (COMBINED FACILITY)
Asset # : 13027

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

AcousTileSusp.Lay-In	35%			2039	**	5	\$6,800	
Exposed Concrete	50%	Now	\$6,800	LIFE	**	5	\$1,500	

Spalling, Extent : Light, Area Affected : 2%

Location : Apparatus Floor.

Gypsum Board	15%	Now	\$1,600	LIFE	**	5	\$3,600	
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Broken/Missing Elements, Extent : Moderate, Area Affected : 25%

Location : Lounge And Gymnasium

Cracking/Crumbling, Extent : Moderate, Area Affected : 25%

Location : Gymnasium

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment
Not Accessible

100%

Other Observation, Extent : Light, Area Affected : 0%

Location : In Police Precinct

Explanation : Main Service

Switchgear / Switchboard

Not Accessible 100%

Raceway

Conduit 100% 2036 ** 1

Panelboards

Molded Case Bkrs 100% 2025 \$42,100 5 \$300

Wiring

Thermoplastic 100% 2036 ** 1

Motor Controllers

Locally Mounted 100% 2031 ** 5 \$100

Ground

Grounding Devices
Not Accessible

100%

Other Observation, Extent : Light, Area Affected : 0%

Location : In Police Precinct

Explanation : Ground

Lighting

Interior Lighting

Fluorescent 20% 2026 \$7,700 10 \$2,400

T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%

Location : Throughout

Fluorescent 80% 2031 ** 10 \$9,500

T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%

Location : Throughout

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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FIRE DEPARTMENT - 057
ENGINE CO. 39/LADDER CO. 16 (COMBINED FACILITY)
Asset # : 13027

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Egress Lighting								
Emergency, Service	50%			2026	\$3,500	1		
Exit, Service	50%			2026	\$800	1		
Exterior Lighting								
HID	5%			2026	\$2,700	10		
No Component	95%							
Lightning Protection								
Arresters/Cabling								
Not Accessible	100%							
Alarm								
Fire/Smoke Detection								
No Component	90%							
Generic, Analog	10%	Now	\$5,900	2031		**	1-3	\$700
		<i>Devices Missing, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Local/Battery Operated Detect, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Electricity	50%			2046		**	1	
Not Accessible	50%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Located In Adjacent Building</i>						
Conversion Equipment								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Located In Adjacent Building</i>						
Distribution								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Located In Adjacent Building</i>						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 39/LADDER CO. 16 (COMBINED FACILITY)

Asset # : 13027

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Convactor/Radiator	50%	Now	\$17,700	2031	**	1	\$1,900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Explanation : Not Enough Heat</i>								
Fan Coil Unit/Heat	50%			2031	**	1	\$2,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Explanation : Electric Heaters. Steam Service Inadequate</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2042	**	1		
Conversion Equipment								
Window/Wall Unit	20%	4+	\$2,800	2024	\$5,500	1		
<i>On Extended Life, Extent : Light, Area Affected : 20%</i>								
<i>Location : Various Locations Throughout</i>								
Not Accessible	80%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Located In Adjacent Building</i>								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$16,900	
<i>Abandoned in Place, Extent : Light, Area Affected : 100%</i>								
<i>Location : Various Locations Throughout</i>								
Terminal Devices								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Located In Adjacent Building</i>								
Heat Rejection								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Located In Adjacent Building</i>								
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$7,200	
Exhaust Fans								
Interior	100%			2026	\$47,100	2	\$400	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2036	**	1		
<i>Booster Pump w/Tank, Extent : Light, Area Affected : 100%</i>								
<i>Location : Triplex Pumps In Basement</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 39/LADDER CO. 16 (COMBINED FACILITY)
Asset # : 13027

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Water Heater Electric	100%			2019	\$11,700	4	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : 1 - 120 Gallon Unit Used As Backup</i>								
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Sump Pump(s) Non-Submersible	100%			2026	\$2,000	4	\$300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Garage</i>								
<i>Explanation : Duplex Unit</i>								
Fixtures								
	Generic	100%						
Fire Suppression								
	Sprinkler							
	No Component	15%						
	No Component	85%						
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : System</i>								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 4/LADDER CO. 15 (COMBINED FACILITY) HIGH RISE
Address : 42 SOUTH STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.004 / 13003 **Yr Built/Renovated** : 1987 /
Area Sq Ft : 15,750 **Project Type** : FIRE DEPARTMENT
Date of Survey : 15-Jun-2015 **Landmark Status** : NONE
Areas Surveyed : Floors 1,2,3
Block : 35 **Lot** : 1 **BIN** : 1000867

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$81,800	\$64,700
Interior Architecture		\$59,900
Electrical	\$65,700	
Mechanical	\$110,100	
Total	\$257,700	\$124,600
Importance Code A	\$81,800	\$64,700
Importance Code B	\$175,900	\$59,900
Total	\$257,700	\$124,600

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$13,000		\$10,800	
Interior Architecture	\$28,700			\$900
Electrical	\$16,000	\$1,200	\$15,700	\$1,200
Mechanical	\$1,400	\$1,300	\$16,900	\$1,700
Total	\$59,100	\$2,400	\$43,300	\$3,700
Importance Code A	\$13,800	\$800	\$11,600	\$800
Importance Code B	\$40,300	\$1,700	\$31,700	\$3,000
Importance Code C	\$5,000			
Total	\$59,100	\$2,400	\$43,300	\$3,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 4/LADDER CO. 15 (COMBINED FACILITY) HIGH RISE
Asset # : 13003

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Masonry: Granite	45%			LIFE	**	5	\$19,400		
Metal Panel	10%			2046	**	5-10	\$39,600		
Wood Overhead Doors	45%	Now	\$81,800	2039	**	5	\$64,700		
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>									
<i>Location : Various Locations</i>									
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Front Of Building</i>									
Windows									
Aluminum	50%	2-4	\$7,000	2042	**	5	\$200		
<i>Worn/Eroded, Extent : Light, Area Affected : 50%</i>									
<i>Location : Front Of Building</i>									
Metal Louvers	50%	Now	\$6,000	2035	**				
<i>Bent/Warped Elements, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : 3rd Floor</i>									
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : 3rd Floor</i>									
Roof									
Not Accessible	100%								
Interior									
Floors									
Cast in Place Concrete	55%	0-2	\$2,700	LIFE	**	5	\$28,300		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>									
<i>Location : Entry Stair</i>									
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>									
<i>Location : 3rd Floor Corridor.</i>									
Ceramic Tile	10%			2029	**	5	\$2,400		
<i>Worn/Eroded, Extent : Light, Area Affected : 50%</i>									
<i>Location : Various Locations</i>									
Quarry Tile	5%			2039	**	5	\$1,800		
<i>Worn/Eroded, Extent : Light, Area Affected : 10%</i>									
<i>Location : Various Locations</i>									
Vinyl Tile	30%	Now	\$3,000	2026	\$59,900	3	\$2,600		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Various Locations</i>									
<i>Worn/Eroded, Extent : Light, Area Affected : 25%</i>									
<i>Location : Various Locations</i>									
Interior Walls									
Ceramic Tile	10%	Now	\$5,000	2029	**	5	\$1,800		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>									
<i>Location : Various Locations</i>									
<i>Worn/Eroded, Extent : Light, Area Affected : 5%</i>									
<i>Location : 2nd Floor Bathroom.</i>									
Gypsum Board	45%			LIFE	**	5	\$9,700		
SGFT/Glazed Masonry	40%			LIFE	**				
Wood	5%			LIFE	**	5	\$7,200		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 4/LADDER CO. 15 (COMBINED FACILITY) HIGH RISE
Asset # : 13003

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	30%	Now	\$11,400	2039	**	5	\$3,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
Exposed Struc: Steel	40%			LIFE	**			
Fiber Board	15%	Now	\$4,600	2026	\$23,000			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd Floor Laundry Room.</i>								
<i>Explanation : Exposed Silver / Foil Insulation Delaminated And Punctured.</i>								
Gypsum Board	15%			LIFE	**	5	\$4,400	
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2046	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : 800 Amperes, 480v, 3 Phase</i>								
Raceway								
Conduit	80%			2026	\$25,000	1		
Conduit	20%			2036	**	1		
Panelboards								
Molded Case Bkrs	25%			2034	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : 800a Main Panel</i>								
Molded Case Bkrs	75%			2034	**	5	\$300	
Wiring								
Thermoplastic	100%			2036	**	1		
Motor Controllers								
Locally Mounted	100%			2031	**	5	\$100	
Ground								
Grounding Devices								
Not Accessible	100%							
Stand-by Power								
Transfer Switches								
Automatic	100%			2031	**	1	\$4,900	
Generators								
Diesel	100%			2022	\$65,700	1	\$6,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : 250 Kva, 480v</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 4/LADDER CO. 15 (COMBINED FACILITY) HIGH RISE
Asset # : 13003

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Batteries								
Lead/Acid	100%			2019	\$1,500	5	\$600	
Fuel Storage								
Day Tank	100%			2034	**	5	\$2,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : 85 Gallons</i>								
Lighting								
Interior Lighting								
Fluorescent	100%			2031	**	10	\$14,400	
<i>Motion Sensors in Use, Extent : Light, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Egress Lighting								
Emergency, Service	50%			2026	\$3,900	1		
Exit, Service	50%			2026	\$900	1		
Exterior Lighting								
HID	10%			2026	\$5,900	10		
No Component	90%							
Alarm								
Fire/Smoke Detection								
No Component	93%							
Generic, Analog	7%	Now	\$11,400	2036	**	1-3	\$600	
<i>Devices Missing, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Electricity	2%			2046	**	1		
Natural Gas	98%			2046	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2039	**	1	\$7,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd Floor</i>								
<i>Explanation : Direct Vent Boiler</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2042	**	4	\$800	
Terminal Devices								
Convactor/Radiator	40%			2039	**	1	\$2,000	
Fan Coil Unit/Heat	60%			2031	**	1	\$3,100	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 4/LADDER CO. 15 (COMBINED FACILITY) HIGH RISE
Asset # : 13003

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Energy Source								
Electricity	100%			2048	**	1		
Conversion Equipment								
Interior Pkg Unit - Cooling	50%	2-4	\$110,100	2030	**	2	\$400	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd Floor</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 3rd Floor</i>								
<i>Explanation : No Insulation On Outside Air Ducts.</i>								
Split Unit	50%			2031	**			
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$20,500	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$8,800	
Exhaust Fans								
Interior	100%			2031	**	2	\$500	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		
Water Heater								
Gas Fired	100%			2021	\$9,000	2	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd Floor</i>								
<i>Explanation : Indirect Fired From Boiler / 1 - 120 Gallon Unit</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
<i>Malfunctioning, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Explanation : During Rain Sanitary Backs Up Into Fire Station</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 40/LADDER CO. 35
Address : 131 AMSTERDAM AVENUE @ W. 66 ST.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.040 / 13028 **Yr Built/Renovated** : 1961 /
Area Sq Ft : 7,060 **Project Type** : FIRE DEPARTMENT
Date of Survey : 19-Jul-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Floors 1,2,3
Block : 1137 **Lot** : 7501 **BIN** : 1077844

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Interior Architecture		\$127,900
Mechanical		\$140,400
Total		\$268,300
Importance Code B		\$183,900
Importance Code C		\$84,400
Total		\$268,300

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$200		\$2,000	
Interior Architecture	\$7,500		\$5,200	\$600
Electrical	\$27,500		\$100	
Mechanical	\$7,500	\$1,100	\$4,500	\$1,400
Total	\$42,700	\$1,100	\$11,800	\$2,100
Importance Code A	\$200		\$2,000	\$200
Importance Code B	\$40,600	\$1,100	\$8,300	\$1,900
Importance Code C	\$1,900		\$1,500	
Total	\$42,700	\$1,100	\$11,800	\$2,100



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 40/LADDER CO. 35
Asset # : 13028

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Limestone	60%			LIFE	**	5	\$3,900	
Metal Sect. OHD	15%			2036	**	5	\$4,000	
Granite Panels	25%			LIFE	**	5	\$1,600	
Windows								
Aluminum	100%			2039	**	5	\$400	
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$16,000	
<i>Ponding, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Ceramic Tile	6%	0-2	\$900	2032	**	5	\$400	
<i>Caulking Deteriorated, Extent : Light, Area Affected : 5%</i>								
<i>Location : Bathroom</i>								
Panel/Paver: Cer/Brk	5%			2039	**	5	\$1,600	
Quarry Tile	4%	0-2	\$1,700	2036	**	5	\$400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	35%	0-2	\$2,200	2023	\$43,500	3	\$1,900	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor Corridor, Throughout</i>								
Interior Walls								
Cast in Place Concrete	10%	0-2	\$1,900	LIFE	**			
<i>Paint Peeling, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Cellar</i>								
Ceramic Tile	50%			2026	\$84,400	5	\$3,100	
Concrete Masonry Unit	10%			LIFE	**	5	\$200	
Gypsum Board	20%			LIFE	**	5	\$700	
Plaster	10%			LIFE	**	5	\$200	
Ceilings								
AcousTileSusp.Lay-In	50%			2036	**	5	\$7,300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 2%</i>								
<i>Location : Truck Office</i>								
Exposed Concrete	30%			LIFE	**	5	\$700	
Exposed Struc: Steel	20%			LIFE	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 40/LADDER CO. 35
Asset # : 13028

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2033	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Amperes Main Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2033	**	5	\$200	
Raceway								
Conduit	100%			2033	**	1		
Panelboards								
Fused Disc Sw	10%			2031	**	5		
Molded Case Bkrs	90%			2031	**	5	\$200	
Wiring								
Thermoplastic	100%			2033	**	1		
Motor Controllers								
Locally Mounted	100%			2028	\$14,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	98%			2023	\$18,700	10	\$6,300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-8 Lamps</i>								
Incandescent	2%			2019	\$900	2		
Egress Lighting								
Emergency, Service	100%			2023	\$3,500	1		
Exterior Lighting								
HID	100%			2019	\$26,600	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Electricity	100%			2049	**	1		
Conversion Equipment								
Pres. Reducing Valve/LP Steam	100%			2032	**	5	\$400	
Distribution								
Central Plant Steam Piping/Pmp	100%	Now	\$5,600	2049	**	4	\$300	
<i>Steam Traps Faulty, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 40/LADDER CO. 35
Asset # : 13028

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
	Terminal Devices							
	Air Handler	100%			2031	**	1	\$4,400
Air Conditioning								
	Energy Source							
	Electricity	100%			2045	**	1	
	Conversion Equipment							
	Int Pkg Unit - Heating/Cooling	100%			2027	\$140,400	2	\$400
	Distribution							
	Ductwork/Diffusers	100%			LIFE	**	2	\$9,200
	Terminal Devices							
	Air Handler/Cool/Ht	100%			2031	**	1	\$4,400
Ventilation								
	Distribution							
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$3,900
	Exhaust Fans							
	Interior	100%			2031	**	2	\$200
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2049	**	1	
	HW Heat Exchanger							
	Steam Fired	100%			2049	**	4	\$700
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%	Now	\$200	2019	\$200	4	\$200
			<i>Broken, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
	Fixtures							
	Generic	100%						
Fire Suppression								
	Standpipe							
	Generic	100%			2043	**	1-5	\$3,700
	Sprinkler							
	No Component	25%						
	Generic	75%			2043	**	1-2	\$1,500

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 42/LADDER CO. 56
Address : 1781 MONROE AVENUE @ E. 175 ST.
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.042 / 13030 **Yr Built/Renovated** : 1913 / 2012
Area Sq Ft : 8,064 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Mar-2016 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2,3
Block : 2797 **Lot** : 35 **BIN** : 2007448

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$125,400	
Interior Architecture	\$143,300	
Total	\$268,700	
Importance Code A	\$125,400	
Importance Code B	\$143,300	
Total	\$268,700	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$54,200			\$8,000
Interior Architecture	\$35,600	\$500	\$300	\$100
Electrical	\$3,500	\$600	\$500	\$7,700
Mechanical	\$1,100	\$1,100	\$1,300	\$12,800
Site Enclosure	\$14,300			
Total	\$108,700	\$2,100	\$2,000	\$28,600
Importance Code A	\$57,900	\$800	\$800	\$8,800
Importance Code B	\$34,400	\$1,200	\$1,200	\$19,800
Importance Code C	\$16,400	\$200		
Total	\$108,700	\$2,100	\$2,000	\$28,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 42/LADDER CO. 56
Asset # : 13030

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$45,000	LIFE	**	5	\$14,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Hose Tower</i>								
<i>Repointing Failure, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : North Facade, South Facade</i>								
Masonry: Granite	5%	Now	\$2,500	LIFE	**	5	\$800	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Building Base</i>								
Masonry: Limestone	10%	Now	\$4,700	LIFE	**	5	\$1,600	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Facade</i>								
Wood Overhead Doors	15%			2032	**	5	\$16,000	
Windows								
Aluminum	100%	Now	\$22,300	2052	**	5	\$300	
<i>Bent/Warped Elements, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$2,400	LIFE	**	5	\$1,500	
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Corner At Front Of Building</i>								
Masonry: Brick	90%	2-4	\$9,800	LIFE	**	5	\$1,700	
<i>Expansion Jnt Failure, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Corner At Front Of Building</i>								
Roof								
Modified Bitumen	97%	Now	\$80,400	2037	**			1
<i>Alligatoring, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Third Floor At Bulkhead</i>								
Skylight, Metal/Glass	3%	Now	\$12,600	2053	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 42/LADDER CO. 56
Asset # : 13030

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	85%	Now	\$5,300	LIFE	**	5	\$22,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room And Second Floor</i>								
Ceramic Tile	5%			2036	**	5	\$600	
Quarry Tile	4%			2040	**	5	\$700	
Terrazzo	1%			LIFE	**	5	\$100	
Vinyl Tile	5%	0-2	\$2,000	2035	**	3	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor</i>								
<i>Other Observation, Extent : Light, Area Affected : 75%</i>								
<i>Location : 2nd Floor Front</i>								
<i>Explanation : 9 X 9 Tiles</i>								
Interior Walls								
Ceramic Tile	5%			2040	**	5	\$300	
Gypsum Board	10%			LIFE	**	5	\$400	
Masonry: Brick	20%			LIFE	**			
Plaster	20%	0-2	\$2,100	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations Due To Water Infiltration</i>								
SGFT/Glazed Masonry	40%			LIFE	**			
Wood	5%			LIFE	**	5	\$1,300	
Ceilings								
Exposed Concrete	25%	Now	\$12,200	LIFE	**	5	\$600	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Basement, At Front Of Building</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Basement, At Front Of Building</i>								
Exposed Struc: Steel	15%	Now	\$143,300	LIFE	**			
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement Areas At Metal Deck And Support Steel</i>								
Gypsum Board	5%	Now	\$3,100	LIFE	**	5	\$900	
<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor Rear Of Building</i>								
Plaster	55%	0-2	\$10,900	LIFE	**	5	\$5,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations Where Water Penetration/ Leaks Are Found</i>								
Site Enclosure								
Fence/Gates								
Chain link	100%	2-4	\$12,200	2057	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Front Roll-up Gate</i>								
Free Standing Walls								
Concrete Masonry Unit	100%	Now	\$2,100	2053	**			
<i>Loose Units, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Upper Left Corner When Seen From Yard</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 42/LADDER CO. 56
Asset # : 13030

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%			2040	**			
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Parking/Driveway

Cast in Place Concrete	100%			2040	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%	2-4	\$2,900	2047	**	5		
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*Enclosure Corroded, Extent : Moderate, Area Affected : 50%**Location : Basement Con Ed Service End Box**Other Observation, Extent : Light, Area Affected : 100%**Location : Basement Rear**Explanation : 200 Amperes Fused Switch.*

Raceway

Conduit	100%			2037	**	1		
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Panelboards

Molded Case Bkrs	100%			2035	**	5	\$200	
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Wiring

Thermoplastic	100%			2037	**	1		
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Motor Controllers

Locally Mounted	100%			2032	**	5	\$100	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement Boiler Room**Explanation : Heating System Equipment*

Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Lighting

Interior Lighting

Fluorescent	95%			2032	**	10	\$7,000	
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*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%**Location : Throughout*

Incandescent	5%			2027	\$2,600	2		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Dining Room**Explanation : Incandescent Lights*

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 42/LADDER CO. 56
Asset # : 13030

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Exterior Lighting HID	50%			2027	\$15,200	10		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Facade</i>								
<i>Explanation : H. I. D. Lamps, Controlled Via Time Clock</i>								
Incandescent	50%			2027	\$12,900	2		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Facade</i>								
<i>Explanation : Flag Uplights, Controlled Via Time Clock</i>								
Alarm								
Fire/Smoke Detection Generic, Analog	100%			2037	**	1-3	\$5,100	
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2047	**	1		
Conversion Equipment Steam Boiler	100%			2040	**	1	\$8,000	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Distribution Central Plant Steam Piping/Pmp	100%			2037	**	4	\$400	
Terminal Devices Convactor/Radiator	100%			2032	**	1	\$2,600	
Air Conditioning								
Energy Source Electricity	100%			2043	**	1		
Conversion Equipment Window/Wall Unit	75%			2022	\$11,800	1		
No Component	25%							
Plumbing								
H/C Water Piping Brass/Copper	100%			2037	**	1		
<i>No Water Meter, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Water Heater Gas Fired	100%			2025	\$4,600	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 - 75 Gallon Unit</i>								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 42/LADDER CO. 56
Asset # : 13030

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Backflow Preventer							
	No Component	95%						
	Generic	5%			2032	**	1	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Serves Boiler Only</i>						
Fixtures								
	Generic	100%						
		<i>Leaking Faucets/Valves/Heads, Extent : Moderate, Area Affected : 25%</i>						
		<i>Location : Various</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Fixtures Recently Replaced</i>						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 43/LADDER CO. 59
Address : 1901 SEDGWICK AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.043 / 13031 **Yr Built/Renovated** : 1902 / 2003
Area Sq Ft : 7,956 **Project Type** : FIRE DEPARTMENT
Date of Survey : 20-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2881 **Lot** : 140 **BIN** : 2009252

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$35,000
Mechanical		\$55,600
Total		\$90,600
Importance Code A		\$35,000
Importance Code B		\$55,600
Total		\$90,600

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$8,100			\$1,500
Interior Architecture	\$42,400	\$100	\$300	\$3,100
Electrical	\$3,800			\$3,000
Mechanical	\$1,200	\$1,200	\$2,500	\$8,900
Total	\$55,500	\$1,200	\$2,800	\$16,600
Importance Code A	\$8,800	\$800	\$800	\$2,300
Importance Code B	\$46,700	\$500	\$1,900	\$14,200
Importance Code C			\$100	
Total	\$55,500	\$1,200	\$2,800	\$16,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 43/LADDER CO. 59
Asset # : 13031

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	10%			2037	**	10	\$600	
Masonry: Brick	80%			LIFE	**	5	\$15,700	
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 3%</i>								
<i>Location : South Wall At Driveway Has Vehicular Impact Damage</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : North Wall At Grease Exhaust - Grease Stains On Brick</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Side Elevation Next To Park</i>								
Masonry: Granite	1%			LIFE	**	5	\$100	
Masonry: Limestone	4%			LIFE	**	5	\$600	
Metal Sect. OHD	5%			2032	**	5	\$3,100	
Windows								
Aluminum	98%	Now	\$8,100	2043	**	5	\$200	
<i>Crack/Balnc Not Funct, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Wood	2%			2043	**	5	\$100	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,000	
Masonry: Brick	90%			LIFE	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : North Parapet Wall Exhibits Cracking</i>								
Roof								
Modified Bitumen	78%			2027		10	\$6,000	
<i>Blisters, Extent : Light, Area Affected : 5%</i>								
<i>Location : Roof</i>								
<i>Miss/Damaged Flashings, Extent : Light, Area Affected : 2%</i>								
<i>Location : Roof Front Wall</i>								
Roll Roofing	20%			2023		5	\$2,600	
Skylight, Metal/Glass	2%			2037	**	10	\$500	
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$10,800	
Ceramic Tile	3%			2036	**	5	\$300	
Ceramic Tile	2%	Now	\$4,200	2042	**	5	\$100	
<i>Water Penetration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor Shower Room</i>								
Quarry Tile	5%	2-4	\$800	2040	**	5	\$400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	5%			2032	**	3	\$200	
Vinyl Tile	30%	Now	\$27,800	2037	**	3	\$1,200	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Wood	10%			2042	**	5	\$2,000	

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FIRE DEPARTMENT - 057
ENGINE CO. 43/LADDER CO. 59
Asset # : 13031

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Interior Walls

Ceramic Tile	5%			2036	**	5	\$300	
Concrete Masonry Unit	5%			LIFE	**	5	\$100	
Gypsum Board	10%			LIFE	**	5	\$400	
Masonry: Brick	2%			LIFE	**			
Plaster	40%			LIFE	**	5	\$700	
Plywood/Hardboard	3%			LIFE	**			
SGFT/Glazed Masonry	35%			LIFE	**			

Broken/Missing Elements, Extent : Light, Area Affected : 2%

Location : At Stair/ Missing Elements

Ceilings

AcousTileSusp.Lay-In	30%			2032	**	5	\$3,300	
Embossed Metal	50%	Now	\$9,600	LIFE	**	5	\$2,500	

Broken/Missing Elements, Extent : Moderate, Area Affected : 5%

Location : Apparatus Room Front

Deformed/Dented, Extent : Moderate, Area Affected : 5%

Location : 1st And 2nd Floors

Exposed Struc: Steel	20%			LIFE	**			
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Site Enclosure

Fence/Gates

Chain link	100%			2037	**			
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Retaining Walls

Cast in Place Concrete	100%			2062	**			
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Site Pavements

Parking/Driveway

Cast in Place Concrete	100%			2032	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2037	**	5		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement Electrical Section

Explanation : 200 Amperes Disconnect Switch

Switchgear / Switchboard

Molded Case Bkrs	100%			2037	**	5	\$200	
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Raceway

Conduit	50%			2037	**	1		
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Conduit	50%			2047	**	1		
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 43/LADDER CO. 59
Asset # : 13031

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Molded Case Bkrs	50%	Now	\$3,800	2035	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Apparatus Circuit Breaker Trips</i>								
Molded Case Bkrs	50%			2043	**	5	\$100	
Wiring								
Thermoplastic	60%			2037	**	1		
Thermoplastic	40%			2047	**	1		
Motor Controllers								
Locally Mounted	100%			2032	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Water Main</i>								
<i>Explanation : Recently Installed</i>								
Lighting								
Interior Lighting								
Fluorescent	10%			2027	\$2,200	10	\$700	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Incandescent	5%			2022	\$2,500	2		
LED	85%			2032	**			
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement 1st And 2nd Floors</i>								
Egress Lighting								
Exit, Service	25%			2027	\$200	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Front Area</i>								
No Component	75%							
Exterior Lighting								
HID	95%			2027	\$28,500	10		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Facade And Side</i>								
<i>Explanation : Wall Mounted, Controlled Via Local Photocell</i>								
Incandescent	5%			2022	\$300	2		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Electricity	1%			2047	**	1		
Natural Gas	99%			2047	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 43/LADDER CO. 59
Asset # : 13031

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment								
Radiant Heater	1%			2032	**	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Electric Unit Heater</i>						
Steam Boiler	99%			2040	**	1	\$7,800	
Distribution								
Central Plant Steam Piping/Pmp	100%			2037	**	4	\$400	
Terminal Devices								
Convactor/Radiator	100%			2032	**	1	\$2,600	
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Interior Pkg Unit - Cooling	20%			2028	\$55,600	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Serves Sitting Room&raquet Ball Court</i>						
Reciprocating Compr/Chiller	20%			2032	**	1	\$700	
		<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Lower Roof</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Serves Members Room</i>						
Window/Wall Unit	50%			2022	\$7,800	1		
No Component	10%							
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2	\$2,100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Sitting And Members Rooms</i>						
No Component	80%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2027	\$12,700	1	\$300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Members Room</i>						
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,400	

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FIRE DEPARTMENT - 057
ENGINE CO. 43/LADDER CO. 59
Asset # : 13031

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
	Exhaust Fans							
	Interior	90%			2027	\$23,800	2	\$200
	Roof	10%			2032	**	2	
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2037	**	1	
				<i>Antiquated, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>No Water Meter, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
	Water Heater							
	Gas Fired	100%			2025	\$4,500	2	\$100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : 2 - 75 Gallon Units</i>				
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Backflow Preventer							
	No Component	95%						
	Generic	5%			2032	**	1	
	Fixtures							
	Generic	100%						

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 44
Address : 221 EAST 75th STREET BTWN 2ND AVE. - 3RD AVE.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.044 / 13032 **Yr Built/Renovated** : 1881 / 2011
Area Sq Ft : 6,250 **Project Type** : FIRE DEPARTMENT
Date of Survey : 14-Aug-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 1430 **Lot** : 10 **BIN** : 1044059

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$44,000	\$66,000
Interior Architecture	\$58,900	
Electrical	\$9,600	\$48,800
Total	\$112,600	\$114,800
Importance Code A	\$44,000	\$66,000
Importance Code B	\$68,500	\$48,800
Total	\$112,600	\$114,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$14,200			\$100
Interior Architecture	\$95,100			\$300
Electrical	\$24,200		\$100	
Mechanical	\$26,700	\$800	\$4,800	\$800
Total	\$160,200	\$800	\$4,900	\$1,200
Importance Code A	\$14,800	\$600	\$600	\$700
Importance Code B	\$134,100	\$200	\$4,300	\$600
Importance Code C	\$11,300			
Total	\$160,200	\$800	\$4,900	\$1,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 44
Asset # : 13032

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$44,000	LIFE	**	5	\$14,600	
<i>Efflorescence, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
Masonry: Limestone	15%			LIFE	**	5	\$2,400	
Metal Panel	5%	0-2	\$800	2033	**	5	\$2,000	
<i>Corrosion/Rusting, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	10%	0-2	\$6,600	2028	\$66,000	5	\$5,200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%	0-2	\$2,200	2039	**	5	\$300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	80%			LIFE	**	5	\$600	
Metal Cornice	20%			2038	**	10	\$500	
Roof								
Asphalt Shingle	5%			2032	**	10	\$100	
Modified Bitumen	90%			2028	\$33,000	10	\$5,700	
Skylight, Metal/Glass	5%	0-2	\$4,700	2033	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 44
Asset # : 13032

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	30%	Now	\$28,600	LIFE	**	5	\$6,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2038	**	5	\$500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Quarry Tile	5%	Now	\$5,300	2028	\$13,200	5	\$300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	30%	Now	\$23,400	2033	**	3	\$1,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
Wood	30%	4+	\$4,500	2038	**	5	\$2,600	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2038	**	5	\$500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	15%			LIFE	**			
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Room</i>								
Plaster	60%	Now	\$4,300	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor</i>								
SGFT/Glazed Masonry	20%	0-2	\$7,000	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 44
Asset # : 13032

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	5%			2043	**	5	\$500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Embossed Metal	68%	Now	\$21,900	LIFE	**	5	\$2,800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor</i>								
Exposed Concrete	20%	Now	\$58,900	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded Steel Members</i>								
Exposed Struc: Wood	5%			LIFE	**			
Gypsum Board	1%			LIFE	**	5	\$100	
Plaster	1%	0-2	\$100	LIFE	**	5	\$100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2023	\$4,800	5		
<i>Enclosure Corroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : No Available Nameplate Ratings.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2023	\$48,800	5	\$200	
Raceway								
Conduit	25%			2023	\$7,800	1		
Conduit	75%			2033	**	1		
Panelboards								
Molded Case Bkrs	75%			2031	**	5	\$100	
Molded Case Bkrs	25%			2022	\$9,600	5		
Wiring								
Thermoplastic	100%			2033	**	1		

Ground

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 44
Asset # : 13032

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$100	
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location :</i>								
Lighting								
Interior Lighting Fluorescent	98%			2023	\$16,600	10	\$5,600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	1%			2019	\$200	10	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : T-12 Lamps</i>								
Incandescent	1%			2019	\$400	2		
Exterior Lighting HID	100%			2019	\$23,600	10		
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Natural Gas	100%			2043	**	1		
Conversion Equipment Steam Boiler	100%			2036	**	1	\$6,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution Central Plant Steam Piping/Pmp	100%			2033	**	4	\$300	
Terminal Devices Convactor/Radiator	100%	Now	\$1,600	2028	\$31,300	1	\$1,800	
<i>Leak Evident, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Gymnasium Radiator</i>								
Air Conditioning								
Conversion Equipment Window/Wall Unit	100%			2019	\$12,200	1		
Ventilation								
Distribution Ductwork/Diffusers	50%	Now	\$2,700	LIFE	**	2-5	\$1,700	
<i>Inadequate Supply, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 1st Floor</i>								
No Component	50%							

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FIRE DEPARTMENT - 057
ENGINE CO. 44
Asset # : 13032

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
	Exhaust Fans							
	Interior	100%	Now	\$4,200	2028	\$20,800	2	\$200
			<i>Broken, Extent : Severe, Area Affected : 30%</i>					
			<i>Location : Apparatus</i>					
Plumbing								
	H/C Water Piping							
	Galvanized Steel	100%			2036	**	1	
	Water Heater							
	Gas Fired	100%			2021	\$3,600	2	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 Units</i>					
	Sanitary Piping							
	Cast Iron	100%	Now	\$4,300	LIFE	**	1	
			<i>Blockage /Clogged, Extent : Severe, Area Affected : 5%</i>					
			<i>Location : Basement Bathroom, When It Rains</i>					
	Storm Drain Piping							
	Cast Iron	100%	Now	\$1,200	LIFE	**	1	
			<i>Blockage /Clogged, Extent : Moderate, Area Affected : 5%</i>					
			<i>Location : Basement, When It Rains</i>					
	Fixtures							
	Generic	100%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 46 / LADDER CO. 27 COMBINED FACILITY
Address : 460 CROSS BRONX EXPRESSWAY
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.046 / 13034 **Yr Built/Renovated** : 1972 /
Area Sq Ft : 8,790 **Project Type** : FIRE DEPARTMENT
Date of Survey : 21-Mar-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2907 **Lot** : 10 **BIN** : 2009509

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$116,400	\$74,700
Electrical		\$30,800
Mechanical		\$92,200
Total	\$116,400	\$197,700
Importance Code A	\$116,400	\$74,700
Importance Code B		\$123,000
Total	\$116,400	\$197,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$27,000			\$2,900
Interior Architecture	\$5,100	\$1,500		\$600
Electrical	\$3,800		\$100	\$49,500
Mechanical	\$21,600	\$13,300	\$4,700	\$1,300
Total	\$57,600	\$14,900	\$4,800	\$54,400
Importance Code A	\$27,000			\$2,900
Importance Code B	\$29,400	\$14,400	\$4,800	\$51,500
Importance Code C	\$1,200	\$400		
Total	\$57,600	\$14,900	\$4,800	\$54,400



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 46 / LADDER CO. 27 COMBINED FACILITY
Asset # : 13034

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$116,400	LIFE	**	5	\$12,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Side Elevation Near Side Door</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Over Front Ohd Entrance</i>								
Metal Sect. OHD	10%			2032	**	5	\$5,800	
Pre-Cast Concrete	20%			LIFE	**	5	\$12,000	
Windows								
Aluminum	100%	2-4	\$1,900	2035	**	5	\$200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	15%	Now	\$300	LIFE	**	5	\$800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 2%</i>								
<i>Location : High Roof</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Parapet</i>								
Masonry: Brick	85%	0-2	\$9,900	LIFE	**	5	\$600	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout Parapet</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Roof And Mechanical Bulkhead</i>								
<i>Miss/Damaged Copings, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Main Roof At Front Of Building</i>								
Roof								
Modified Bitumen	100%	2-4	\$14,900	2027	\$74,700			
<i>Alligating, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$12,800	
Ceramic Tile	15%			2030	**	5	\$2,200	
Terrazzo	10%			LIFE	**	5	\$1,100	
Vinyl Tile	20%	2-4	\$500	2027	\$24,900	3	\$1,100	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : 2nd Floor And Penthouse</i>								
<i>Explanation : 9 X 9 Tiles</i>								
Vinyl Tile 9" X 9"	15%	Now	\$500	2027	\$24,200	3	\$800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor And Penthouse</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 46 / LADDER CO. 27 COMBINED FACILITY

Asset # : 13034

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Interior Walls

Ceramic Tile	10%			2030	**	5	\$900	
Concrete Masonry Unit	20%			LIFE	**	5	\$700	
Gypsum Board	10%			LIFE	**	5	\$500	
Plaster	33%	Now	\$1,200	LIFE	**	5	\$900	

Cracking/Crumbling, Extent : Moderate, Area Affected : 10%

Location : Walls Adjacent To Steam Room/ Sauna And Weight Room

Plywood/Hardboard	2%			LIFE	**			
SGFT/Glazed Masonry	25%			LIFE	**			

Ceilings

AcousTileSusp.Lay-In	30%	0-2	\$1,700	2040	**	5	\$2,100	
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Staining/Discoloring, Extent : Light, Area Affected : 10%

Location : 2nd Floor Ceiling Below Roof

Worn/Eroded, Extent : Moderate, Area Affected : 15%

Location : Throughout

Exposed Concrete	35%			LIFE	**	5	\$800	
Plaster	35%	Now	\$1,300	LIFE	**	5	\$3,000	

Paint Peeling, Extent : Light, Area Affected : 2%

Location : Kitchen

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Raceway

Conduit	100%			2037	**	1		
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Panelboards

Molded Case Bkrs	80%			2026	\$30,800	5	\$200	
Molded Case Bkrs	20%	4+	\$3,800	2035	**	5		

Cracked Case, Extent : Moderate, Area Affected : 50%

Location : 1st Floor And Bunk Room

Wiring

Thermoplastic	100%			2037	**	1		
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Ground

Grounding Devices

Not Accessible	100%							
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Lighting

Interior Lighting

Fluorescent	40%			2022	\$9,500	10	\$3,200	
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T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%

Location : Throughout

Incandescent	10%			2022	\$5,600	2		
LED	50%			2032	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 46 / LADDER CO. 27 COMBINED FACILITY
Asset # : 13034

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Egress Lighting

Emergency, Service

50%

2027

\$2,200

1

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Throughout**Explanation : Limited Emergency Lighting*

No Component

50%

Exterior Lighting

HID

60%

2022

\$19,900

10

Incandescent

40%

2022

\$11,300

2

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2047

* *

1

Conversion Equipment

Not Accessible

100%

*Other Observation, Extent : Light, Area Affected : 0%**Location : Throughout**Explanation : Served By Adjacent N Y P D Building*

Distribution

Not Accessible

100%

*Other Observation, Extent : Light, Area Affected : 0%**Location : Throughout**Explanation : Served By Adjacent N Y P D Building*

Terminal Devices

Convactor/Radiator

50%

Now

\$1,100

2040

* *

1

\$1,300

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Throughout**Explanation : Comfort Control Issues*

Unit Heater - Steam

50%

2032

* *

4

\$600

*Other Observation, Extent : Light, Area Affected : 50%**Location : 1st Floor And Penthouse**Explanation : Unit Heaters On Apparatus Floor And Penthouse*

Air Conditioning

Energy Source

Electricity

100%

2043

* *

1

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FIRE DEPARTMENT - 057
ENGINE CO. 46 / LADDER CO. 27 COMBINED FACILITY
Asset # : 13034

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Centrifugal, Elec Chiller	50%			2036	**	1	\$4,800	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Units Serviced And Controlled By Adjacent N Y P D Building</i>								
Split Unit	10%			2032	**			
Window/Wall Unit	40%			2020	\$6,900	1		
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Window Units Required Due To Ineffective Cooling From Units In The Adjacent N Y P D Building</i>								
Distribution								
Ductwork/Diffusers	100%	Now	\$4,400	LIFE	**	2	\$11,400	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Many Diffusers Covered Over Or Damaged</i>								
Terminal Devices								
Air Handler/Cool/Ht	100%	Now	\$9,200	2027	\$92,200	1	\$4,900	
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Penthouse On Roof</i>								
<i>Explanation : Air Handlers Serviced And Controlled By Adjacent NYPD Building/ Comfort Control Issues</i>								
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,900	
Exhaust Fans								
Interior	10%	Now	\$2,900	2037	**	2		
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Ceiling Of The 2nd Floor</i>								
Interior	40%			2032	**	2	\$100	
Roof	50%			2032	**	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Old Fan Abandoned In Place</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2037	**	1		
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Faucet Drips</i>								
Water Heater								
Gas Fired	100%			2020	\$5,000	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Police Precinct Next Door</i>								
<i>Explanation : 2-75 Gallon Water Heaters</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 46 / LADDER CO. 27 COMBINED FACILITY
Asset # : 13034

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%	Now	\$3,400	LIFE	**	1	
			<i>Blockage /Clogged, Extent : Severe, Area Affected : 40%</i>					
			<i>Location : 1st Floor Drain</i>					
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	Wet	10%			2025	\$200	1-3	\$500
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : System</i>					
	No Component	90%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 47
Address : 502 WEST 113TH STREET @ AMSTERDAM AVE.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.047 / 13035 **Yr Built/Renovated** : 1889 /
Area Sq Ft : 5,244 **Project Type** : FIRE DEPARTMENT
Date of Survey : 27-Mar-2013 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,3
Block : 1884 **Lot** : 39 **BIN** : 1057000

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$76,400	
Interior Architecture		\$76,500
Electrical		\$21,000
Total	\$76,400	\$97,500
Importance Code A	\$76,400	
Importance Code B		\$97,500
Total	\$76,400	\$97,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$52,900			
Interior Architecture	\$70,100			\$2,100
Electrical	\$7,100			
Mechanical	\$8,600	\$800	\$700	\$1,400
Site Pavements	\$400			
Total	\$139,000	\$800	\$700	\$3,500
Importance Code A	\$53,400	\$500	\$500	\$500
Importance Code B	\$64,700	\$300	\$200	\$2,700
Importance Code C	\$20,900			\$300
Total	\$139,000	\$800	\$700	\$3,500



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FIRE DEPARTMENT - 057
ENGINE CO. 47
Asset # : 13035

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$9,100	
Masonry: Brick	80%	Now	\$30,800	LIFE	**	5	\$18,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : East Side Of Building</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brownstone	10%	0-2	\$38,700	LIFE	**	5	\$1,800	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	5%			2029	**	5	\$5,800	
Windows								
Aluminum	100%	Now	\$8,400	2032	**	5	\$300	
<i>Unit Inoperable, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	85%	Now	\$37,700	LIFE	**	5	\$600	1
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Main Parapet</i>								
<i>Explanation : Tar Applied To Brick Is Peeling; Underlying Brick Is Very Deteriorated; Needs Complete Reconstruction</i>								
Masonry: Sandstone	15%	Now	\$5,100	LIFE	**	5	\$100	
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 100%</i>								
<i>Location : All Parapets</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 50%</i>								
<i>Location : All Parapet Copings</i>								
Roof								
Asphalt Shingle	5%	0-2	\$200	2027			\$1,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Built-Up (BUR)	95%	Now	\$5,500	2024			\$27,300	
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Main Roof</i>								
<i>Explanation : Base Flashing Broken</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 47
Asset # : 13035

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	10%	0-2	\$1,400	LIFE	**	5	\$2,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2027	\$12,800	5	\$600	
Mosaic Tile	2%			2029	**	5	\$600	
Quarry Tile	5%			2037	**	5	\$900	
Vinyl Tile	68%	0-2	\$15,300	2024	\$76,500	3	\$3,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Wood	10%	4+	\$8,700	2039	**	5	\$1,100	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Third Floor</i>								
<i>Explanation : Deteriorated Wood Flooring</i>								
Interior Walls								
Ceramic Tile	5%			2027	\$20,200	5	\$700	
Concrete Masonry Unit	5%			LIFE	**	5	\$300	
Gypsum Board	10%			LIFE	**	5	\$800	
Masonry: Brick	10%	Now	\$11,400	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
Metal Panel	10%	2-4	\$2,000	LIFE	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Plaster	60%	0-2	\$7,100	LIFE	**	5	\$2,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceilings								
AcousTileSusp.Lay-In	10%	Now	\$4,100	2029	**	5	\$500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 1st, 2nd 3rd Floors</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Embossed Metal	90%	Now	\$19,900	LIFE	**	5	\$3,700	
<i>Paint Peeling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Third Floor Locker Room</i>								
<i>Explanation : Damaged Ceiling Panels</i>								
Site Enclosure								
Fence/Gates								
Iron Picket	100%			2044	**			
Site Pavements								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057
ENGINE CO. 47
Asset # : 13035**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%	0-2	\$400	2037		**		
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*Cracking/Crumbling, Extent : Light, Area Affected : 5%
Location : Throughout*

Parking/Driveway

Cast in Place Concrete	100%			2037		**		
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2050		**	5	
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*Other Observation, Extent : Moderate, Area Affected : 100%
Location : Basement
Explanation : Not Accessible*

Raceway

Conduit	80%			2050		**	1	
Conduit	20%	0-2	\$700	2024	\$6,800		1	

*Damaged, Extent : Moderate, Area Affected : 10%
Location : Throughout
On Extended Life, Extent : Moderate, Area Affected : 20%
Location : Throughout*

Panelboards

Molded Case Bkrs	50%			2040		**	5	\$100
Molded Case Bkrs	50%			2023	\$21,000		5	\$100

*Obsolete Equipment, Extent : Moderate, Area Affected : 50%
Location : First Floor*

Wiring

Thermoplastic	100%			2044		**	1	
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Motor Controllers

Locally Mounted	100%			2029		**	5	
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Ground

Grounding Devices

Generic	100%			LIFE		**	5	\$100
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*Other Observation, Extent : Moderate, Area Affected : 100%
Location : Basement
Explanation : Water Main*

Lighting

Interior Lighting

Fluorescent	90%			2029		**	10	\$4,300
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*T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 90%
Location : Throughout*

Fluorescent	10%			2019	\$1,600		10	\$500
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*T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 10%
Location : Basement*

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FIRE DEPARTMENT - 057
ENGINE CO. 47
Asset # : 13035

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting

HID

100%

2024

\$21,600

10

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2050

* *

1

Conversion Equipment

Steam Boiler

100%

2041

* *

1

\$5,200

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One Unit*

Distribution

Central Plant Steam Piping/Pmp

100%

2034

* *

4

\$300

Terminal Devices

Convactor/Radiator

90%

2029

* *

1

\$1,500

Unit Heater - Steam

10%

2024

\$1,900

4

\$100

Air Conditioning

Energy Source

Electricity

100%

2046

* *

1

Conversion Equipment

Window/Wall Unit

40%

2019

\$4,500

1

No Component

60%

Ventilation

Exhaust Fans

Interior

100%

2024

\$19,100

2

\$200

Plumbing

H/C Water Piping

Brass/Copper

100%

2044

* *

1

Water Heater

Gas Fired

100%

2019

\$3,300

2

\$100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 2 - 74 Gallon Unit*

Sanitary Piping

Cast Iron

100%

LIFE

* *

1

Storm Drain Piping

Cast Iron

100%

LIFE

* *

1

Fixtures

Generic

100%

Fire Suppression

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FIRE DEPARTMENT - 057
ENGINE CO. 47
Asset # : 13035

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Chemical System							
	Wet	10%			2022	\$200	1-3	\$500
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : Ansul-102</i>					
	No Component	80%						
	Generic	10%			2022	\$200	1-3	\$400
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Fire Extinguishers</i>					

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 48 DIVISION 7 COMMAND CENTER
Address : 2417 WEBSTER AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.048 / 13036 **Yr Built/Renovated** : 1977 / 2010
Area Sq Ft : 11,300 **Project Type** : FIRE DEPARTMENT
Date of Survey : 04-May-2016 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 3025 **Lot** : 25 **BIN** : 2011061

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$90,900	
Electrical		\$141,500
Mechanical	\$17,300	
Total	\$108,200	\$141,500
Importance Code A	\$90,900	
Importance Code B	\$17,300	\$141,500
Total	\$108,200	\$141,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$61,900	\$300		\$3,300
Interior Architecture	\$42,700	\$1,300	\$400	\$2,300
Electrical	\$10,300	\$2,600	\$1,400	\$8,300
Mechanical	\$12,200	\$2,200	\$1,700	\$9,200
Total	\$127,100	\$6,400	\$3,500	\$23,200
Importance Code A	\$62,500	\$900	\$600	\$4,000
Importance Code B	\$58,900	\$5,500	\$3,000	\$19,200
Importance Code C	\$5,700			
Total	\$127,100	\$6,400	\$3,500	\$23,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 48 DIVISION 7 COMMAND CENTER
Asset # : 13036

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	10%	0-2	\$5,500	LIFE	**	5	\$9,700	
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Various Locations</i>								
Masonry: Brick	75%	4+	\$21,900	LIFE	**	5	\$14,500	
<i>Efflorescence, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Lower Story</i>								
Metal Panel	5%	0-2	\$700	2037	**	5	\$1,800	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Street Facade</i>								
<i>Loose/Miss Fasteners, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Street Facade</i>								
Metal Sect. OHD	10%			2032	**	5	\$6,100	
Windows								
Aluminum	97%	Now	\$15,700	2043	**	5	\$800	
<i>Air Infiltration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Bunk Room, Kitchen</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Bunk Room, Kitchen</i>								
<i>Hardware Missing, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Bunk Room</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Protective Metal Grilles</i>								
Metal Louvers	3%			2030	**	10	\$300	
Parapets								
Masonry: Brick	90%			LIFE	**	5	\$1,400	
Metal Panel	10%			2047	**	5	\$600	
Roof								
Modified Bitumen	100%	Now	\$18,200	2022	\$90,900			
<i>Blisters, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Drains Inad/Misposn, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Ponding, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Main Roof</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 48 DIVISION 7 COMMAND CENTER
Asset # : 13036

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$15,600	LIFE	**	5	\$16,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor, Gymnasium, Kitchen</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor, Gymnasium, Kitchen -- Backup From Storm Drain</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Apparatus Floor, Gymnasium, Kitchen</i>								
Ceramic Tile	5%			2036	**	5	\$800	
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : First Floor Bathroom</i>								
Ceramic Tile	5%	Now	\$4,800	2040	**	5	\$400	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Bathrooms</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : 2nd Floor Bathrooms - Improper Install</i>								
<i>Explanation : Mold</i>								
Quarry Tile	10%			2040	**	5	\$2,500	
Sheet Vinyl/Rubber	15%			2032	**	5	\$3,800	
Vinyl Tile	15%	2-4	\$2,100	2032	**	3	\$900	
<i>Worn/Eroded, Extent : Light, Area Affected : 50%</i>								
<i>Location : Second Floor Corridor, Bunk Room, Locker Room</i>								
Vinyl Tile	5%	Now	\$7,100	2037	**	3	\$300	
<i>Worn/Eroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Areas Of First And Second Floors</i>								
Interior Walls								
Ceramic Tile	5%	Now	\$1,600	2036	**	5	\$600	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : First Floor Bathroom</i>								
Ceramic Tile	5%	Now	\$3,200	2040	**	5	\$600	
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor Bathrooms - Improper Install</i>								
<i>Explanation : Mold</i>								
Concrete Masonry Unit	30%			LIFE	**	5	\$2,800	
Gypsum Board	20%	Now	\$900	LIFE	**	5	\$2,800	
<i>Paint Peeling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor Room</i>								
SGFT/Glazed Masonry	40%			LIFE	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 48 DIVISION 7 COMMAND CENTER
Asset # : 13036

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

AcousTileSusp.Lay-In	55%	Now	\$7,400	2040	**	5	\$4,600	
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Broken/Missing Elements, Extent : Severe, Area Affected : 10%

Location : Second Floor

Exposed Concrete	40%			LIFE	**	5	\$1,000	
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Gypsum Board	5%			LIFE	**	5	\$1,000	
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Broken/Missing Elements, Extent : Moderate, Area Affected : 20%

Location : At Roof Hatch - Second Floor

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2027	\$4,800	5	\$300	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : 1st Floor

Explanation : No Available Nameplate Ratings

Switchgear / Switchboard

Molded Case Bkrs	100%			2027	\$48,800	5	\$300	
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Raceway

Conduit	70%			2027	\$21,900	1		
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Conduit	30%			2047	**	1		
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Panelboards

Molded Case Bkrs	30%			2043	**	5	\$100	
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Molded Case Bkrs	70%			2026	\$26,900	5	\$200	
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Wiring

Thermoplastic	70%			2027	\$19,400	1		
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Thermoplastic	30%			2047	**	1		
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Motor Controllers

Locally Mounted	100%			2025	\$14,400	5	\$100	
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Ground

Grounding Devices

Generic	100%	0-2	\$9,500	LIFE	**	5	\$200	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : 1st Floor

Explanation : Corroded

Stand-by Power

Transfer Switches

Automatic	100%			2040	**	1	\$3,500	
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Generators

Diesel	100%			2023	\$65,700	1	\$4,400	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Basement

Explanation : Emergency Generator Rated @ 17.5 Kw

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FIRE DEPARTMENT - 057
ENGINE CO. 48 DIVISION 7 COMMAND CENTER
Asset # : 13036

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$400	
Fuel Storage Day Tank								
	50%			2026	\$400	5	\$1,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 30 Gallons Rated Capacity</i>								
Main Tank	50%			2030	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : No Available Nameplate Rating Capacity</i>								
Lighting								
Interior Lighting Fluorescent								
	70%			2032	**	10	\$7,300	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
LED	30%			2035	**			
Egress Lighting								
Emergency, Battery	50%			2035	**	10	\$1,400	
Exit, LED	50%			2062	**	1		
Exterior Lighting								
HID	20%			2027	\$8,500	10		
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2044	**	1	\$5,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Hot Wtr Piping/Pump	100%	Now	\$800	2035	**	4	\$600	
<i>Malfunctioning, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Temperature Controller</i>								
Terminal Devices								
Convactor/Radiator	60%	Now	\$1,700	2032	**	1	\$2,000	
<i>Damaged, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Tv Room</i>								
Unit Heater - Steam	40%			2032	**	4	\$600	

Air Conditioning

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FIRE DEPARTMENT - 057
ENGINE CO. 48 DIVISION 7 COMMAND CENTER
Asset # : 13036

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Split Unit	40%			2032	**			
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : Roof</i>								
<i>Explanation : 5 Units. R-410a</i>								
Split Unit	5%			2022	\$11,300			
<i>R-22 Refrigerant, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1 Unit. Roof</i>								
Window/Wall Unit	15%			2022	\$3,300	1		
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	40%			2032	**	1	\$1,500	
Fan Coil - 2 Pipe	5%			2022	\$6,000	1	\$200	
No Component	55%							
Heat Rejection								
Dry Cooler	40%			2032	**	2	\$3,200	
Dry Cooler	5%			2022	\$1,700	2	\$400	
No Component	55%							
Ventilation								
Distribution								
Ductwork/Diffusers	40%	Now	\$3,900	LIFE	**	2-5	\$2,500	
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Air Circulation Is Very Poor In 2nd Floor Specially The Stay Room.</i>								
No Component	60%							
Exhaust Fans								
Roof	25%			2035	**	2	\$100	
Roof	25%	Now	\$400	2027	\$4,400	2	\$100	
<i>Not in Service, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Roof</i>								
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2037	**	1		
Water Heater								
Gas Fired	100%			2025	\$6,400	2	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : 2-75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%	Now	\$3,900	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 1st Floor Operational Area</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 48 DIVISION 7 COMMAND CENTER
Asset # : 13036

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
Fixtures								
	Generic	100%						
Fire Suppression								
	Sprinkler							
	No Component	80%						
	Generic	20%			2037	**	1-2	\$600
			<i>Other Observation, Extent : Light, Area Affected : 20%</i>					
			<i>Location : 2nd Floor</i>					
			<i>Explanation : Partial System Serves Command Center And Corridors</i>					
Chemical System								
	Generic	100%			2022	\$1,900	1-3	\$4,000
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : 1 Set</i>					

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017 **FIRE DEPARTMENT - FY 2018**

Asset Name : ENGINE CO. 5
Address : 340 EAST 14th STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.005 / 13004 **Yr Built/Renovated** : 1880 / 2002
Area Sq Ft : 5,727 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Floors 1
Block : 455 **Lot** : 28 **BIN** : 1006520

CAPITAL

Total

Importance Code

Total

EXPENSE

Total

Importance Code

Total



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
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FIRE DEPARTMENT - 057
ENGINE CO. 5
Asset # : 13004

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Under Construction	100%							
Windows								
Under Construction	100%							
Parapets								
Under Construction	100%							
Roof								
Under Construction	100%							
Interior								
Floors								
Under Construction	100%							
Interior Walls								
Under Construction	100%							
Ceilings								
Under Construction	100%							

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Over 600 Volts								
Service Equipment								
Under Construction	100%							
Transformers								
Under Construction	100%							
Switchgear / Switchboard								
Under Construction	100%							
Feeders								
Under Construction	100%							
Raceway								
Under Construction	100%							
Under 600 Volts								
Service Equipment								
Under Construction	100%							
Transformers								
Under Construction	100%							
Switchgear / Switchboard								
Under Construction	100%							
Raceway								
Under Construction	100%							
Panelboards								
Under Construction	100%							
Wiring								
Under Construction	100%							
Motor Controllers								
Under Construction	100%							

Ground

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 5
Asset # : 13004

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices								
Under Construction	100%							
Stand-by Power								
Transfer Switches								
Under Construction	100%							
Generators								
Under Construction	100%							
Batteries								
Under Construction	100%							
Fuel Storage								
Under Construction	100%							
Lighting								
Interior Lighting								
Under Construction	100%							
Egress Lighting								
Under Construction	100%							
Exterior Lighting								
Under Construction	100%							
Lightning Protection								
Arresters/Cabling								
Under Construction	100%							
Alarm								
Security System								
Under Construction	100%							
Fire/Smoke Detection								
Under Construction	100%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Under Construction	100%							
Conversion Equipment								
Under Construction	100%							
Distribution								
Under Construction	100%							
Terminal Devices								
Under Construction	100%							
Air Conditioning								
Energy Source								
Under Construction	100%							
Conversion Equipment								
Under Construction	100%							
Distribution								
Under Construction	100%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 5
Asset # : 13004

Mechanical	Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Terminal Devices								
Under Construction	100%							
Heat Rejection								
Under Construction	100%							
Ventilation								
Distribution								
Under Construction	100%							
Exhaust Fans								
Under Construction	100%							
Plumbing								
H/C Water Piping								
Under Construction	100%							
Water Heater								
Under Construction	100%							
HW Heat Exchanger								
Under Construction	100%							
Sanitary Piping								
Under Construction	100%							
Storm Drain Piping								
Under Construction	100%							
Sump Pump(s)								
Under Construction	100%							
Pool Filter/Treatment								
Under Construction	100%							
Sewage Ejector(s)								
Under Construction	100%							
Backflow Preventer								
Under Construction	100%							
Fixtures								
Under Construction	100%							
Vertical Transport								
Elevators								
Under Construction	100%							
Escalators								
Under Construction	100%							
Fire Suppression								
Standpipe								
Under Construction	100%							
Sprinkler								
Under Construction	100%							
Fire Pump								
Under Construction	100%							
Chemical System								
Under Construction	100%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 50/LADDER CO. 19
Address : 1155 WASHINGTON AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.050 / 13037 **Yr Built/Renovated** : 1975 /
Area Sq Ft : 11,344 **Project Type** : FIRE DEPARTMENT
Date of Survey : 03-May-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2388 **Lot** : 45 **BIN** : 2001584

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$45,300	
Interior Architecture		\$21,400
Electrical		\$131,800
Mechanical	\$47,700	
Total	\$93,000	\$153,200
Importance Code A	\$45,300	
Importance Code B	\$47,700	\$153,200
Total	\$93,000	\$153,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$18,500			\$4,400
Interior Architecture	\$42,400	\$600		\$1,600
Electrical	\$11,800	\$2,700	\$1,400	\$25,100
Mechanical	\$29,600	\$1,400	\$2,000	\$14,000
Total	\$102,400	\$4,700	\$3,400	\$45,100
Importance Code A	\$19,100	\$600	\$600	\$5,100
Importance Code B	\$83,300	\$3,900	\$2,800	\$40,000
Importance Code C		\$300		
Total	\$102,400	\$4,700	\$3,400	\$45,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 50/LADDER CO. 19
Asset # : 13037

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	0-2	\$45,300	LIFE	**	5	\$15,100	
<i>Vegetation Growth, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Corner At Kitchen And At 1st Story Bump Out</i>								
Metal Sect. OHD	15%			2032	**	5	\$8,800	
Pre-Cast Concrete	5%	Now	\$3,100	LIFE	**	5	\$3,100	
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Above House Watch</i>								
Windows								
Aluminum	100%	Now	\$1,100	2035	**	5	\$300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement And At House Watch</i>								
Parapets								
Masonry: Brick	90%			LIFE	**	5	\$1,600	
Pre-Cast Concrete	10%	Now	\$600	LIFE	**	5	\$1,100	
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Coping</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Coping Joints</i>								
Roof								
Modified Bitumen	75%	Now	\$9,200	2032	**			
<i>Alligatoring, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout Upper Roof</i>								
<i>Blisters, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout Upper Roof</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout</i>								
Modified Bitumen	25%	Now	\$4,600	2032	**			
<i>Ridging, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout Lower Roof</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Lower Roof</i>								
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 50/LADDER CO. 19
Asset # : 13037

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$17,400	LIFE	**	5	\$18,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Apron At Apparatus Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout Apparatus Floor</i>								
Ceramic Tile	10%	Now	\$9,800	2040	**	5	\$800	
<i>Drains Inad/Misposn, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Shower/ Locker Room</i>								
<i>Recent Replace Evident, Extent : Light, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 2nd Floor Showers</i>								
<i>Explanation : Poor Quality Of Construction. Showers Moldy</i>								
Quarry Tile	10%			2032	**	5	\$2,500	
Vinyl Tile	15%	0-2	\$6,400	2027	\$21,400	3	\$900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : First Floor</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Stairwell And First Floor</i>								
Vinyl Tile	15%			2035	**	3	\$900	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Interior Walls								
Ceramic Tile	5%			2030	**	5	\$300	
Ceramic Tile	5%			2040	**	5	\$300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Showers/ Bathrooms</i>								
Concrete Masonry Unit	60%			LIFE	**	5	\$1,500	
Plaster	10%			LIFE	**	5	\$200	
SGFT/Glazed Masonry	20%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	55%	4+	\$3,700	2040	**	5	\$4,600	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Kitchen Area</i>								
Exposed Concrete	15%			LIFE	**	5	\$400	
Gypsum Board	30%	4+	\$5,100	LIFE	**	5	\$6,300	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Apparatus Room</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 50/LADDER CO. 19
Asset # : 13037

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Service Equipment								
	Molded Case Bkrs	100%			2027	\$4,800	5	\$300
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : No Nameplate Ratings Available</i>								
<hr/>								
Switchgear / Switchboard								
	Molded Case Bkrs	100%			2027	\$48,800	5	\$300
<hr/>								
Raceway								
	Conduit	100%			2027	\$31,300	1	
<hr/>								
Panelboards								
	Fused Disc Sw	5%			2026	\$1,900	5	
	Molded Case Bkrs	50%			2035	* *	5	\$200
	Molded Case Bkrs	45%			2026	\$17,300	5	\$100
<hr/>								
Wiring								
	Thermoplastic	100%			2027	\$27,700	1	
<hr/>								
Motor Controllers								
	Locally Mounted	100%			2025	\$14,400	5	\$100
<hr/>								
Ground								
Grounding Devices								
	Generic	100%	0-2	\$9,500	LIFE	* *	5	\$200
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded</i>								
<hr/>								
Stand-by Power								
Transfer Switches								
	Automatic	100%			2025	\$4,800	1	\$3,500
<hr/>								
Generators								
	Diesel	100%			2023	\$65,700	1	\$4,400
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Emergency Generator Rated @ 17.5kw</i>								
<hr/>								
Batteries								
	Lead/Acid	100%			2020	\$1,500	5	\$400
<hr/>								
Fuel Storage								
	Day Tank	50%			2026	\$400	5	\$1,100
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 10 Gallons Rated Capacity</i>								
	Main Tank	50%			2030	* *	5	\$200
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 275 Gallons Rated Capacity</i>								
<hr/>								
Lighting								

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FIRE DEPARTMENT - 057
ENGINE CO. 50/LADDER CO. 19
Asset # : 13037

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	95%			2032	**	10	\$9,900	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	5%	Now	\$1,500	2037	**			
<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Egress Lighting Emergency, Service	100%			2022	\$5,600	1		
Exterior Lighting HID	20%			2022	\$8,600	10		
No Component	80%							
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Natural Gas	100%			2047	**	1		
Conversion Equipment Hot Water Boiler	100%			2040	**	1	\$5,600	
Distribution Hot Wtr Piping/Pump	100%			2035	**	4	\$800	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : There Is Only 1 Thermostat In The Building</i>								
Terminal Devices Convactor/Radiator	70%			2032	**	1	\$2,600	
Fan Coil Unit/Heat	30%			2022	\$47,700	1	\$1,100	
Air Conditioning								
Energy Source Electricity	100%			2035	**	1		
Conversion Equipment Exterior Pkg Unit - Cooling	20%			2035	**	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Roof</i>								
<i>Explanation : 1 Unit. R-410a</i>								
Split Unit	10%	0-2	\$22,600	2037	**			
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Units Are On Extend Working Life Time. R-22</i>								
Window/Wall Unit	30%			2022	\$6,600	1		
No Component	40%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 50/LADDER CO. 19
Asset # : 13037

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Heat Rejection								
Dry Cooler	10%			2022	\$3,500	2	\$800	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	70%			LIFE	**	2-5	\$4,400	
No Component	30%							
Exhaust Fans								
Roof	50%	Now	\$900	2032	**	2	\$100	
		<i>Not in Service, Extent : Severe, Area Affected : 25%</i>						
		<i>Location : Roof</i>						
No Component	50%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Lack Of Air Circulation In 2nd Floor And The Bath Room</i>						
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2037	**	1		
Water Heater								
Gas Fired	100%			2025	\$6,500	2	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 - 75 Gallon Units</i>						
Sanitary Piping								
Cast Iron	100%	Now	\$3,900	LIFE	**	1		
		<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>						
		<i>Location : Basement And 1st Floor</i>						
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	100%			2027	\$1,600	4	\$400	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	80%							
Generic	20%			2037	**	1-2	\$600	
Chemical System								
Wet	100%			2022	\$2,100	1-3	\$4,600	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 52 / LADDER CO. 52
Address : 4550 HENRY HUDSON PARKWAY
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.052 / 13038 **Yr Built/Renovated** : 1939 / 1999
Area Sq Ft : 7,326 **Project Type** : FIRE DEPARTMENT
Date of Survey : 25-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Floors 1,2
Block : 5813 **Lot** : 123 **BIN** : 2084327

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$54,800
Total		\$54,800
Importance Code A		\$54,800
Total		\$54,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$42,400	\$4,300		
Interior Architecture	\$75,600	\$100	\$700	\$500
Electrical		\$100		\$1,700
Mechanical	\$6,900	\$1,200	\$1,900	\$34,400
Site Enclosure	\$1,400			
Total	\$126,400	\$5,700	\$2,700	\$36,600
Importance Code A	\$43,200	\$5,100	\$700	\$800
Importance Code B	\$40,900	\$600	\$1,700	\$35,800
Importance Code C	\$42,300		\$200	
Total	\$126,400	\$5,700	\$2,700	\$36,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 52 / LADDER CO. 52
Asset # : 13038

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	60%	2-4	\$12,500	LIFE	**	5	\$20,800	
<i>Efflorescence, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	30%			LIFE	**	5	\$10,400	
Masonry: Limestone	5%			LIFE	**	5	\$1,300	
Wood Overhead Doors	5%			2025	\$54,800	5	\$8,700	
Windows								
Aluminum	100%	Now	\$11,900	2043	**	5	\$1,400	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Window Lintels At 2nd Floor Shower Room</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor At Shower Room</i>								
Parapets								
Masonry: Brick	5%			LIFE	**	5		
Masonry: Limestone	95%			LIFE	**	5		
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Left Side Facade At Cornice</i>								
Roof								
Copper/Terne	90%	4+	\$18,000	2055	**			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : Over 1st Floor Front Bay Window</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Attic Space: Wood Rafters Supporting Roof Have Water Damage</i>								
Roll Roofing	10%			2023	\$4,800	5	\$2,000	
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$13,100	
Ceramic Tile	9%			2036	**	5	\$1,100	
Quarry Tile	1%			2040	**	5	\$200	
Terrazzo	5%	4+	\$2,800	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Cracks In Bathroom Floor</i>								
Vinyl Tile	25%	0-2	\$10,200	2032	**	3	\$1,100	
<i>Worn/Eroded, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd Floor Throughout</i>								
Vinyl Tile 9" X 9"	10%	2-4	\$13,200	2037	**	3	\$500	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Second Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 52 / LADDER CO. 52

Asset # : 13038

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Cast in Place Concrete	10%	Now	\$6,300	LIFE		**		
<i>Water Penetration, Extent : Severe, Area Affected : 3%</i>								
<i>Location : Side Wall And Exercise Area At Cellar</i>								
Ceramic Tile	2%			2036		**	\$400	
Gypsum Board	2%			LIFE		**	\$200	
Masonry: Brick	10%	0-2	\$23,100	LIFE		**		
<i>Paint Peeling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Cellar</i>								
<i>Spalling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Cellar</i>								
Plaster	5%	4+	\$800	LIFE		**	\$300	
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor T. V. Room</i>								
Plywood/Hardboard	1%			LIFE		**		
SGFT/Glazed Masonry	70%	Now	\$10,700	LIFE		**		
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor At Stairwell</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor At Stairwell</i>								
Ceilings								
AcousTileSusp.Lay-In	30%	2-4	\$5,500	2040		**	\$1,700	
<i>Staining/Discoloring, Extent : Light, Area Affected : 2%</i>								
<i>Location : Kitchen And Throughout</i>								
Exposed Struc: Steel	30%			LIFE		**		
Plaster	40%	Now	\$3,000	LIFE		**	\$2,900	
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Stairwell At 1st Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Stairwell And Apparatus Room</i>								
Site Enclosure								
Fence/Gates								
Chain link	5%	2-4	\$1,400	2057		**		
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Rear Yard</i>								
Wood	95%			2025	\$19,600			
Free Standing Walls								
Concrete Masonry Unit	100%			2047		**		
Site Pavements								
Parking/Driveway								
Asphalt	85%			2030		**		
Cast in Place Concrete	15%			2040		**		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 52 / LADDER CO. 52
Asset # : 13038

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Service Equipment								
	Molded Case Bkrs	100%			2047	**	5	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 400 Amp</i>								
<hr/>								
Switchgear / Switchboard								
	Molded Case Bkrs	100%			2047	**	5	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Molded Case Circuit Breaker In The Switchboard</i>								
<hr/>								
Raceway								
	Conduit	100%			2047	**	1	
<hr/>								
Panelboards								
	Molded Case Bkrs	100%			2043	**	5	\$200
<hr/>								
Wiring								
	Thermoplastic	100%			2047	**	1	
<hr/>								
Motor Controllers								
	Locally Mounted	50%			2040	**	5	
	Locally Mounted	50%			2025	\$7,200	5	
<i>Aged Component, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor - Existing Controllers For Roll Up Gates</i>								
<hr/>								
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$100
<hr/>								
Lighting								
Interior Lighting								
	LED	100%			2032	**		
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<hr/>								
Egress Lighting								
	Emergency, Battery	80%			2032	**	10	\$1,400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floors</i>								
<i>Explanation : Emergency Fixtures And Exit Signs With Batteries</i>								
	Emergency, Battery	20%			2027	\$2,000	10	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Emergency Fixtures And Exit Signs With Batteries</i>								
<hr/>								
Exterior Lighting								
	HID	100%			2032	**	10	
<hr/>								
Alarm								
Fire/Smoke Detection								
	No Component	95%						
	Generic, Analog	5%			2032	**	1-3	\$200
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 52 / LADDER CO. 52
Asset # : 13038

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Steam Boiler	100%			2040	**	1	\$7,300	
Distribution								
Central Plant Steam Piping/Pmp	100%	Now	\$5,800	2037	**	4	\$400	
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Heavy Water Hammer</i>								
Terminal Devices								
Convactor/Radiator	100%			2032	**	1	\$2,400	
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Window/Wall Unit	80%			2022		1	\$11,400	
No Component	20%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Includes Make-up Air</i>								
Exhaust Fans								
Interior	90%			2022		2	\$200	
Roof	10%			2027		2	\$1,100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2047	**	1		
Water Heater								
Gas Fired	100%	Now	\$100	2026	\$4,200	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - Instantaneous Units / 204 Gallons Per Hour Each - Recent Install</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Report Of Backup Every 3 Months</i>								
Sump Pump(s)								
Submersible	100%			2021	\$200	4	\$200	
Sewage Ejector(s)								
Electric	100%			2032	**	4	\$400	

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FIRE DEPARTMENT - 057
ENGINE CO. 52 / LADDER CO. 52

Asset # : 13038

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component	% of	Fail Date	Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost
Type		Total	(Years)		FY		(Yrs)	
Plumbing								
	Backflow Preventer							
	Generic	100%			2032	**	1	\$500
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Piped Up From Basement</i>						
Fixtures								
	Generic	100%						

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 53 (COMBINED FACILITY)
Address : 1836 THIRD AVENUE
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.053 / 13039 **Yr Built/Renovated** : 1974 / 2011
Area Sq Ft : 10,648 **Project Type** : FIRE DEPARTMENT
Date of Survey : 13-May-2016 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 1629 **Lot** : 40 **BIN** : 1051850

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$71,100	\$52,500
Total	\$71,100	\$52,500
Importance Code A	\$71,100	\$52,500
Total	\$71,100	\$52,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$10,200	\$2,800		
Interior Architecture	\$13,300	\$1,600	\$600	
Electrical			\$100	
Mechanical	\$4,100	\$6,400	\$1,000	\$31,700
Total	\$27,600	\$10,700	\$1,800	\$31,700
Importance Code A	\$10,200	\$2,800		
Importance Code B	\$17,400	\$8,000	\$1,200	\$31,700
Importance Code C			\$500	
Total	\$27,600	\$10,700	\$1,800	\$31,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 53 (COMBINED FACILITY)

Asset # : 13039

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Masonry: Brick	78%			LIFE	**	5	\$8,600		
Masonry: Granite	2%			LIFE	**	5	\$200		
Masonry: Sandstone	10%	Now	\$8,500	LIFE	**	5	\$800		
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Street Facade</i>									
Wood Overhead Doors	10%			2040	**	5	\$5,500		
Windows									
Aluminum	100%	Now	\$71,100	2052	**	5	\$900		
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Throughout</i>									
<i>Explanation : Windows Are Very Old, Single-Glazed, And Largely Inoperable, Broken Or Missing.</i>									
Parapets									
Cast Stone/Terra Cotta	15%			LIFE	**	5	\$2,100		
Masonry: Brick	85%	0-2	\$1,800	LIFE	**	5	\$1,500		
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>									
<i>Location : South East Corner</i>									
Roof									
Roll Roofing	100%			2028	\$52,500	5	\$21,200		
<i>Debris Present, Extent : Light, Area Affected : 10%</i>									
<i>Location : Lower And Main Roofs</i>									
Interior									
Floors									
Cast in Place Concrete	45%			LIFE	**	5	\$15,700		
Ceramic Tile	5%	Now	\$800	2036	**	5	\$400		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : 1st Floor Toilet</i>									
Quarry Tile	5%			2040	**	5	\$1,200		
Vinyl Tile	5%			2027	\$6,800	3	\$300		
Under Construction	40%								
Interior Walls									
Ceramic Tile	5%			2036	**	5	\$1,100		
Concrete Masonry Unit	10%			LIFE	**	5	\$900		
Gypsum Board	5%			LIFE	**	5	\$600		
Plaster	15%			LIFE	**	5	\$1,000		
SGFT/Glazed Masonry	25%			LIFE	**				
Under Construction	40%								
Ceilings									
AcousTileConcealSpLn	10%			2040	**	5	\$2,000		
Exposed Concrete	50%	4+	\$12,600	LIFE	**	5	\$1,200		
<i>Paint Peeling, Extent : Moderate, Area Affected : 40%</i>									
<i>Location : Apparatus Room</i>									
Under Construction	40%								

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 53 (COMBINED FACILITY)
Asset # : 13039

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	90%			2037	**	1		
Under Construction	10%							
Panelboards								
Molded Case Bkrs	90%			2026	\$34,600	5	\$300	
Under Construction	10%							
Wiring								
Thermoplastic	90%			2027	\$24,900	1		
Under Construction	10%							
Lighting								
Interior Lighting								
Fluorescent	90%			2027	\$26,000	10	\$8,800	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Under Construction	10%							
Exterior Lighting								
HID	10%			2027	\$4,000	10		
No Component	90%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : The Heating Source (Hot Water) Is From Adjacent Building (Police Station)</i>								
Conversion Equipment								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : The Heating Source (Hot Water) Is From Adjacent Building (Police Station)</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2035	**	4	\$800	
Terminal Devices								
Convactor/Radiator	40%			2032	**	1	\$1,400	
Unit Heater - Steam	40%			2022	\$14,200	4	\$400	
No Component	20%							
Air Conditioning								
Energy Source								
Electricity	100%			2035	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 53 (COMBINED FACILITY)
Asset # : 13039

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Window/Wall Unit	30%			2020	\$6,200	1		
No Component	40%							
Not Accessible	30%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Ac Comes From The Adjacent Building (Police Station)</i>								
Terminal Devices								
No Component	70%							
Not Accessible	30%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Ac Comes From The Adjacent Building (Police Station)</i>								
Heat Rejection								
No Component	70%							
Not Accessible	30%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Ac Comes From The Adjacent Building (Police Station)</i>								
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,900	
Exhaust Fans								
Roof	50%			2022	\$8,300	2	\$200	
Roof	10%			2037	**	2		
<i>Recent Replace Evident, Extent : Light, Area Affected : 10%</i>								
<i>Location : Roof</i>								
No Component	40%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2037	**	1		
Water Heater								
Electric	100%			2022	\$8,800	4	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : 2 - 120 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%	Now	\$3,600	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Operational Area</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Backflow Preventer								
Not Accessible	100%							
Fixtures								
Under Construction	100%							

Fire Suppression

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 53 (COMBINED FACILITY)
Asset # : 13039

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Fire Suppression								
Sprinkler								
	No Component	90%						
	Generic	10%		2037	**	1-2	\$300	

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 54/LADDER CO 4/ BATTALION 9
Address : 782 EIGHTH AVENUE
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.054 / 13044 **Yr Built/Renovated** : 1974 /
Area Sq Ft : 9,448 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Mar-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1019 **Lot** : 61 **BIN** : 1024767

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$81,900	\$55,300
Interior Architecture	\$45,200	\$41,600
Electrical	\$23,100	\$35,600
Mechanical	\$86,000	\$37,800
Total	\$236,200	\$170,400
Importance Code A	\$150,000	\$55,300
Importance Code B	\$86,200	\$115,100
Total	\$236,200	\$170,400

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$29,300		\$2,400	
Interior Architecture	\$21,800		\$2,800	\$1,600
Electrical	\$53,300	\$700	\$15,100	\$2,300
Mechanical	\$41,800	\$800	\$2,400	\$800
Total	\$146,200	\$1,400	\$22,600	\$4,600
Importance Code A	\$29,700	\$500	\$2,800	\$500
Importance Code B	\$116,500	\$1,000	\$19,800	\$3,900
Importance Code C				\$300
Total	\$146,200	\$1,400	\$22,600	\$4,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 54/LADDER CO 4/ BATTALION 9
Asset # : 13044

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	90%	Now	\$81,900	LIFE	**	5	\$13,600	
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 3%</i>								
<i>Location : Front And Side Facades</i>								
Metal Sect. OHD	10%			2036	**	5	\$4,700	
Windows								
Aluminum	80%	2-4	\$7,800	2031	**	5	\$200	
Aluminum	20%			2039	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Battalion Office</i>								
<i>Explanation : Three Windows Are Vinyl Replacement Windows</i>								
Parapets								
Masonry: Brick	90%	0-2	\$13,800	LIFE	**	5	\$1,200	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout Parapet</i>								
Masonry: Brownstone	10%	Now	\$2,100	LIFE	**	5	\$300	
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Front Facade Coping Stones</i>								
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Roof								
Modified Bitumen	100%	Now	\$5,500	2023	\$55,300			
<i>Drains Clogged, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Rear Portion Of Roof</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Over Locker Room, Kitchen And Dormitory</i>								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$15,300	
Ceramic Tile	10%			2032	**	5	\$1,400	
Quarry Tile	5%			2028	\$20,100	5	\$1,100	
Vinyl Tile	35%	Now	\$8,300	2023	\$41,600	3	\$1,800	
<i>Worn/Eroded, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2032	**	5	\$500	
Concrete Masonry Unit	47%			LIFE	**	5	\$2,000	
Gypsum Board	3%			LIFE	**	5	\$200	
Plaster	10%			LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
SGFT/Glazed Masonry	35%			LIFE	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 54/LADDER CO 4/ BATTALION 9
Asset # : 13044

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	40%			2021	\$45,200	5	\$5,600	
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Locker Room, Kitchen, Dormitory, Engine Office And Sitting Room</i>								
Exposed Concrete	30%	2-4	\$13,500	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 3%</i>								
<i>Location : Southeast Corner Of Basement</i>								
Plaster	30%			LIFE	**	5	\$2,600	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Raceway								
Conduit	100%			2023	\$31,300	1		
Panelboards								
Molded Case Bkrs	60%			2022	\$23,100	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Room</i>								
<i>Explanation : Main Circuit Breaker 400 Amp</i>								
Molded Case Bkrs	40%	2-4	\$15,400	2048	**	5	\$100	
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location :</i>								
Wiring								
Thermoplastic	100%			2033	**	1		
Motor Controllers								
Locally Mounted	100%			2021	\$14,400	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2036	**	1	\$2,900	
Generators								
Diesel	100%			2032	**	1	\$3,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : Equipped With 75 Gallon Belly Day Tank</i>								
Batteries								
Lead/Acid	100%			2019	\$1,500	5	\$400	
Fuel Storage								
Day Tank	100%			2022	\$700	5	\$1,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Inside House 1st Floor</i>								
<i>Explanation : 1,000 Gallon Underground Oil Tank</i>								

Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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FIRE DEPARTMENT - 057
ENGINE CO. 54/LADDER CO 4/ BATTALION 9
Asset # : 13044

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	95%			2019	\$24,300	10	\$8,200	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	5%			2019	\$3,000	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Office</i>								
<i>Explanation : Incandescent Downlights</i>								
Egress Lighting Emergency, Service	70%			2023	\$3,200	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Emergency Lighting Fixtures Connected To Generator</i>								
No Component	30%							
Exterior Lighting HID	100%			2023	\$35,600	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Facade, Sidewall And Side Yard</i>								
<i>Explanation : Wall Mounted</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2043	**	1		
Conversion Equipment Hot Water Boiler	100%			2021	\$68,100	1	\$4,700	
Distribution Hot Wtr Piping/Pump	100%	Now	\$6,900	2031	**	4	\$500	
<i>Corroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Piping Around Boiler</i>								
<i>Explanation : Circulating Pump Missing Parts / Some Piping From Boiler Disconnected</i>								
Terminal Devices Convactor/Radiator	80%			2028	\$37,800	1	\$2,400	
Fan Coil Unit/Heat	20%			2023	\$26,500	1	\$600	
Air Conditioning								
Energy Source Electricity	100%			2039	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 54/LADDER CO 4/ BATTALION 9
Asset # : 13044

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Exterior Pkg Unit - Cooling	25%	Now	\$17,900	2033	**	2	\$100	
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Broken Beyond Repair, Lower Roof Split Unit</i>								
Exterior Pkg Unit - Cooling	25%			2019	\$17,900	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Lower Roof</i>								
<i>Explanation : Unit Serves Kitchen And Member's Room</i>								
Window/Wall Unit	35%			2019	\$6,400	1		
No Component	15%							
Distribution								
Ductwork/Diffusers	25%			LIFE	**	2	\$3,100	
No Component	75%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,300	
Exhaust Fans								
Roof	100%	Now	\$2,900	2023	\$14,700	2	\$200	
<i>Other Observation, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Roof</i>								
<i>Explanation : 1 Of 4 Fans Broken With Exposed Wiring</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2033	**	1		
Water Heater								
Gas Fired	100%			2019	\$5,400	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	100%			2019	\$1,300	4	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Duplex Unit</i>								
Backflow Preventer								
No Component	95%							
Generic	5%			2028	\$100	1		
Fixtures								
Generic	100%							

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 55
Address : 363 BROOME STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.055 / 13045 **Yr Built/Renovated** : 1898 / 1998
Area Sq Ft : 7,363 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Mar-2012 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3,4
Block : 470 **Lot** : 12 **BIN** : 1066722

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$113,800	
Interior Architecture		\$43,800
Total	\$113,800	\$43,800
Importance Code A	\$113,800	
Importance Code B		\$43,800
Total	\$113,800	\$43,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$13,500		\$8,200	
Interior Architecture			\$6,200	\$300
Electrical	\$2,900	\$1,100	\$9,600	\$1,100
Mechanical	\$10,900	\$1,200	\$6,200	\$1,200
Total	\$27,300	\$2,400	\$30,200	\$2,500
Importance Code A	\$14,300	\$700	\$9,000	\$700
Importance Code B	\$13,000	\$1,600	\$21,200	\$1,800
Importance Code C				
Total	\$27,300	\$2,400	\$30,200	\$2,500



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 55
Asset # : 13045

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$25,800	
Masonry: Brick	70%			LIFE	**	5	\$23,100	
Masonry: Limestone	10%			LIFE	**	5	\$2,500	
Wood Overhead Doors	10%			2021	\$113,800	5	\$16,500	
Windows								
Aluminum	100%			2039	**	5	\$1,700	
Parapets								
Masonry: Brick	90%			LIFE	**	5	\$2,300	
<i>Recent Repair Evident, Extent : Light, Area Affected : 90%</i>								
<i>Location : Throughout Parapet</i>								
Masonry: Sandstone	10%	0-2	\$7,300	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Roof								
Copper/Terne	5%			2038	**	10	\$800	
Modified Bitumen	75%			2028	\$32,100	10	\$5,100	
Roll Roofing	15%			2019	\$4,500	5	\$1,700	
Skylight, Metal/Glass	5%			2033	**	10	\$1,100	
Interior								
Floors								
Cast in Place Concrete	35%			LIFE	**	5	\$8,400	
Ceramic Tile	5%			2032	**	5	\$600	
Wood	60%			2051	**	5	\$12,400	
Interior Walls								
Gypsum Board	10%			LIFE	**	5	\$1,100	
Masonry: Brick	15%			LIFE	**			
Plaster	45%			LIFE	**	5	\$2,500	
SGFT/Glazed Masonry	25%			LIFE	**			
Wood	5%			LIFE	**	5	\$3,600	
Ceilings								
AcousTileSusp.Lay-In	45%			2028	\$43,800	5	\$5,000	
Ceramic Tile	25%			LIFE	**	5	\$1,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Bay</i>								
<i>Explanation : Glazed Masonry Vaulted Ceiling</i>								
Embossed Metal	10%			LIFE	**	5	\$500	
Exposed Struc: Steel	15%			LIFE	**			
Gypsum Board	5%			LIFE	**	5	\$700	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 55
Asset # : 13045

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment Fused Disc Sw	100%			2049	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Section</i>								
<i>Explanation : 200 Amperes Switch With 200 Amperes Fuse</i>								
Raceway Conduit	100%			2049	**	1		
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout, Due To Fire</i>								
Panelboards Molded Case Bkrs	100%			2045	**	5	\$200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout, Due To Fire</i>								
Wiring Thermoplastic	100%			2049	**	1		
Motor Controllers Locally Mounted	100%			2040	**	5	\$100	
Stand-by Power								
Transfer Switches Automatic	100%			2040	**	1	\$2,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Section</i>								
<i>Explanation : 200 Amp, 4 Pole</i>								
Generators Diesel	100%			2036	**	1	\$2,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Interior</i>								
<i>Explanation : 60 Kw / 75 Kva, 208/120 V, 3 Phase</i>								
Batteries Lead/Acid	100%			2019	\$1,600	5	\$300	
Fuel Storage Day Tank	15%			2045	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 75 Gallon Stand- Alone Day Tank</i>								
Main Tank	85%			2051	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 550 Gallon Diesel Main Fuel Tank For Trucks</i>								
Lighting								
Interior Lighting Fluorescent	100%			2031	**	10	\$6,800	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 55
Asset # : 13045

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Egress Lighting Emergency, Battery	100%			2031	**	10	\$1,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Path Of Egress (Stairs And Hallways)</i>								
<i>Explanation : Battery Operated Emergency Lights</i>								
<hr/>								
Exterior Lighting HID	70%			2031	**	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Facade</i>								
<i>Explanation : Wall Mounted, Controlled Via Switch</i>								
<hr/>								
Incandescent	30%			2031	**	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Facade</i>								
<i>Explanation : Wall Mounted Downlights, Controlled Via Switch</i>								
<hr/>								
Alarm								
Fire/Smoke Detection Generic	100%			2031	**	1-3	\$4,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : 120 V Hardwired, Interconnected, Combination Smoke/ Carbon Monoxide Detectors With Sounder Base</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2043	**	1		
<hr/>								
Conversion Equipment Steam Boiler	100%			2040	**	1	\$7,300	
<hr/>								
Distribution Central Plant Steam Piping/Pmp	100%			2043	**	4	\$500	
<hr/>								
Terminal Devices Convactor/Radiator	100%			2036	**	1	\$2,400	
<hr/>								
Air Conditioning								
Energy Source Electricity	100%			2045	**	1		
<hr/>								
Conversion Equipment Exterior Pkg Unit - Cooling	20%			2028	\$12,200	2	\$100	
Window/Wall Unit	60%			2019	\$9,400	1		
No Component	20%							

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FIRE DEPARTMENT - 057
ENGINE CO. 55
Asset # : 13045

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Heat Rejection								
	Dry Cooler	20%			2028	\$6,500	2	\$1,000
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Split Units - R-410 A</i>								
	No Component	80%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement To Roof</i>								
<i>Explanation : Includes Make Up Air And Exhaust For Generator</i>								
Exhaust Fans								
	Interior	25%			2023	\$6,700	2	\$100
	Roof	25%			2028	\$3,100	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Kitchen Exhaust</i>								
	No Component	50%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2043	**	1	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen Piping</i>								
<i>Explanation : Freeze Problem During Winter Months</i>								
Water Heater								
	Gas Fired	100%			2021	\$4,600	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 75 Gallon Units</i>								
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2019	\$300	4	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Units In 2 Locations</i>								
Backflow Preventer								
	No Component	95%						
	Generic	5%			2028	\$100	1	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Boiler Only</i>								
Fixtures								
	Generic	100%						

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FIRE DEPARTMENT - 057
ENGINE CO. 55
Asset # : 13045

Print Date : 13-Oct-2017 **FIRE DEPARTMENT - FY 2018**

Asset Name	: ENGINE CO. 58/LADDER CO. 26		
Address	: 1367 FIFTH AVENUE		
Borough	: MANHATTAN	Agency's Number	: N/A
Program / Asset #	: FIRSECO.058 / 13046	Yr Built/Renovated	: 1960 /
Area Sq Ft	: 8,100	Project Type	: FIRE DEPARTMENT
Date of Survey	: 28-Mar-2012	Landmark Status	: NONE
Areas Surveyed	: Basement, Roof, Floors 1,2		
Block	: 1618	Lot	: 1
		BIN	: 1080501

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$352,600	
Mechanical		\$36,500
Total	\$352,600	\$36,500
Importance Code A	\$352,600	
Importance Code B		\$36,500
Total	\$352,600	\$36,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$32,300	\$2,300	\$4,200	
Interior Architecture	\$15,000	\$500	\$1,600	\$600
Electrical	\$6,600	\$100		\$2,800
Mechanical	\$14,200	\$600	\$6,000	\$600
Total	\$68,100	\$3,500	\$11,700	\$4,000
Importance Code A	\$32,700	\$2,700	\$4,600	\$400
Importance Code B	\$29,100	\$800	\$6,900	\$3,600
Importance Code C	\$6,300		\$200	
Total	\$68,100	\$3,500	\$11,700	\$4,000



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FIRE DEPARTMENT - 057
ENGINE CO. 58/LADDER CO. 26
Asset # : 13046

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Glazed Ceramic Panel	7%	Now	\$19,200	LIFE	**	5	\$6,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	85%	Now	\$107,600	LIFE	**	5	\$17,900	
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 30%</i>								
<i>Location : South, West And North Facade</i>								
Wood Overhead Doors	8%			2021	\$53,100	5	\$8,400	
Windows								
Aluminum	100%			2039	**	5	\$500	
Parapets								
Cast Stone/Terra Cotta	10%	0-2	\$5,400	LIFE	**	5	\$1,600	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	80%	0-2	\$97,500	LIFE	**	5	\$1,700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Roof</i>								
Metal Rail	10%			2040	**	5-10	\$3,800	
Roof								
Asphalt Shingle	5%			2026	\$2,300	10	\$100	
IRMA/Protected Membrane	90%	4+	\$94,400	2033	**			
<i>Vegetation Growth, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Main Roof</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : All Roofs</i>								
Panel/Paver: Cer/Brk	5%	Now	\$7,400	2053	**			
<i>Drains Clogged, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 1st Floor Roof Over House Watch Office</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : 1st Floor Roof Over House Watch Office</i>								

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 58/LADDER CO. 26
Asset # : 13046

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	53%			LIFE	**	5	\$14,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st Floor Apparatus Area</i>								
Ceramic Tile	10%			2032	**	5	\$1,200	
Quarry Tile	5%			2036	**	5	\$900	
Vinyl Tile	30%			2023	\$30,900	3	\$1,400	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Other Observation, Extent : Light, Area Affected : 70%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Explanation : 9 X 9 Tiles</i>								
Wood	2%			2058	**	5	\$500	
Interior Walls								
Cast in Place Concrete	5%			LIFE	**			
Ceramic Tile	5%			2026	\$11,200	5	\$400	
Concrete Masonry Unit	15%			LIFE	**	5	\$500	
Masonry: Brick	5%			LIFE	**			
Plaster	30%			LIFE	**	5	\$700	
SGFT/Glazed Masonry	40%	4+	\$6,300	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Throughout 1st Floor</i>								
Ceilings								
AcousTileSusp.Lay-In	15%			2036	**	5	\$1,800	
Exposed Concrete	30%			LIFE	**	5	\$600	
Plaster	55%	Now	\$8,700	LIFE	**	5	\$4,200	
<i>Water Penetration, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Bulkhead Ceiling</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2049	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Section</i>								
<i>Explanation : 400 Amp, 208 V, 3 Phase</i>								
Raceway								
Conduit	100%			2033	**	1		
Panelboards								
Molded Case Bkrs	100%			2045	**	5	\$200	
Wiring								
Braided Cloth	10%			2022	\$2,800	1		
Thermoplastic	90%			2043	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 58/LADDER CO. 26
Asset # : 13046

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2028	\$14,400	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	65%			2028	\$14,300	10	\$4,800	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
Fluorescent	30%	Now	\$6,600	2033	**			
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Other Observation, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Burnt Out</i>						
Incandescent	5%			2023	\$2,600	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : In T. V. Room 1st Floor</i>						
		<i>Explanation : Downlights</i>						
Egress Lighting								
Emergency, Service	50%			2023	\$2,000	1		
Exit, Service	50%			2023	\$400	1		
Exterior Lighting								
HID	100%			2023	\$30,500	10		
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Facade And Side Yard</i>						
		<i>Explanation : Wall Mounted, Controlled Via Switch</i>						

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2040	**	1	\$4,000	
Distribution								
Hot Wtr Piping/Pump	100%			2031	**	4	\$600	
Terminal Devices								
Convactor/Radiator	90%			2028	\$36,500	1	\$2,400	
Unit Heater - Steam	10%			2023	\$2,700	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2031	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 58/LADDER CO. 26
Asset # : 13046

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Conversion Equipment								
	Window/Wall Unit	80%		2019	\$12,600	1		
	No Component	20%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%		LIFE	**	2-5	\$4,500	
Exhaust Fans								
	Roof	90%		2023	\$11,300	2	\$200	
	Wall Unit	10%		2019	\$300	2		
Plumbing								
H/C Water Piping								
	Brass/Copper	100%		2033	**	1		
Water Heater								
	Gas Fired	100%		2021	\$4,600	2	\$100	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : 2 - 75 Gallon Units</i>				
Sanitary Piping								
	Cast Iron	100%		LIFE	**	1		
Storm Drain Piping								
	Cast Iron	100%		LIFE	**	1		
Sump Pump(s)								
	Submersible	100%		2019	\$300	4	\$300	
Backflow Preventer								
	No Component	95%						
	Generic	5%		2028	\$100	1		
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : Serves Boiler Only</i>				
Fixtures								
	Generic	100%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 59/LADDER CO. 30
Address : 111 WEST 133rd STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.059 / 13047 **Yr Built/Renovated** : 1962 /
Area Sq Ft : 8,480 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Apr-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1918 **Lot** : 24 **BIN** : 1058225

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$69,200
Interior Architecture		\$43,100
Mechanical		\$142,900
Total		\$255,200
Importance Code A		\$69,200
Importance Code B		\$186,000
Total		\$255,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$8,400		\$3,300	
Interior Architecture	\$25,800		\$500	\$2,100
Electrical	\$6,800	\$600	\$6,600	\$600
Mechanical	\$25,000	\$1,700	\$8,300	\$1,700
Total	\$66,000	\$2,200	\$18,800	\$4,400
Importance Code A	\$8,800	\$400	\$3,700	\$400
Importance Code B	\$50,300	\$1,800	\$15,000	\$3,100
Importance Code C	\$7,000			\$900
Total	\$66,000	\$2,200	\$18,800	\$4,400



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FIRE DEPARTMENT - 057
ENGINE CO. 59/LADDER CO. 30
Asset # : 13047

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	90%			LIFE	**	5	\$17,900	
Metal Sect. OHD	10%			2036	**	5	\$6,200	
Windows								
Aluminum	100%			2039	**	5	\$500	
<i>Air Infiltration, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	25%			LIFE	**	5	\$300	
Metal Cornice	5%			2051	**	10	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Parapet</i>								
<i>Explanation : Metal Coping</i>								
Metal Rail	70%	Now	\$1,200	2036	**	5	\$6,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Facade - 2 Panels Broken</i>								
Roof								
Modified Bitumen	100%	Now	\$6,900	2023			\$69,200	
<i>Blisters, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Main Roof</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Main Roof Near Bulkhead</i>								
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$12,500	
Ceramic Tile	10%			2032	**	5	\$1,300	
Quarry Tile	5%			2036	**	5	\$1,000	
Vinyl Tile	40%	Now	\$12,900	2028		3	\$1,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Dormitory And House Watch</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 15%</i>								
<i>Location : House Watch And 2nd Floor Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 75%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : 9 X 9 Tiles</i>								
Interior Walls								
Ceramic Tile	10%			2032	**	5	\$1,700	
Gypsum Board	5%			LIFE	**	5	\$500	
Plaster	50%	Now	\$7,000	LIFE	**	5	\$2,600	
<i>Spalling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor Bathroom And Weight Room</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor Bathroom And Weight Room</i>								
SGFT/Glazed Masonry	35%			LIFE	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 59/LADDER CO. 30
Asset # : 13047

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

AcousTileSusp.Lay-In	10%	0-2	\$500	2028	\$10,300	5	\$600	
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Broken/Missing Elements, Extent : Moderate, Area Affected : 5%

Location : Kitchen

Exposed Concrete	25%			LIFE	**	5	\$500	
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Plaster	65%	Now	\$5,400	LIFE	**	5	\$5,200	
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Broken/Missing Elements, Extent : Severe, Area Affected : 20%

Location : Apparatus And 2nd Floor Bathroom

Water Penetration, Extent : Severe, Area Affected : 5%

Location : 2nd Floor Bathroom

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2043	**	5		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : 400 Amp

Raceway

Conduit	100%			2033	**	1		
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Panelboards

Molded Case Bkrs	100%			2031	**	5	\$200	
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Wiring

Thermoplastic	100%			2033	**	1		
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Motor Controllers

Locally Mounted	100%			2028	\$14,400	5	\$100	
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Stand-by Power

Transfer Switches

Automatic	100%			2036	**	1	\$2,600	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : 200 Amp, 1 Phase

Generators

Diesel	100%			2032	**	1	\$3,300	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Building Exterior

Explanation : Locked, Unable To Read Size

Batteries

Lead/Acid	100%			2019	\$1,500	5	\$300	
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FIRE DEPARTMENT - 057
ENGINE CO. 59/LADDER CO. 30
Asset # : 13047

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Fuel Storage								
Main Tank	90%			2051	**	5	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 550 Gallon Main Diesel Fuel Tank</i>						
Not Accessible	10%							
Lighting								
Interior Lighting								
Fluorescent	20%	Now	\$4,600	2033	**			
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Other Observation, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Burnt Out</i>						
Fluorescent	75%			2031	**	10	\$5,800	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
Incandescent	5%			2023	\$2,700	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor T. V. Room</i>						
		<i>Explanation : Downlights</i>						
Egress Lighting								
Emergency, Service	50%			2023	\$2,100	1		
Exit, LED	50%			2038	**	1		
Exterior Lighting								
HID	100%			2023	\$32,000	10		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Facade And Side Parking Lot</i>						
		<i>Explanation : Wall Mounted, Controlled Via Time Clock</i>						

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Furnace	5%			2023	\$900	1	\$200	
Hot Water Boiler	95%			2036	**	1	\$4,000	
Distribution								
Ductwork/Diffusers	5%			LIFE	**	2-5	\$200	
Hot Wtr Piping/Pump	95%			2039	**	4	\$600	

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FIRE DEPARTMENT - 057
ENGINE CO. 59/LADDER CO. 30
Asset # : 13047

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
Terminal Devices								
	Convactor/Radiator	90%			2028	\$38,200	1	\$2,500
	Unit Heater - Steam	10%			2023	\$2,800	4	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Serves Apparatus Floor</i>								
Air Conditioning								
Energy Source								
	Electricity	100%			2039	**	1	
Conversion Equipment								
	Exterior Pkg Unit - Cooling	75%			2028	\$48,200	2	\$400
	Window/Wall Unit	10%			2019	\$1,700	1	
	No Component	15%						
Distribution								
	Ductwork/Diffusers	75%	Now	\$6,800	LIFE	**	2	\$8,300
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Dormitory</i>								
<i>Explanation : Broken Diffusers</i>								
	No Component	25%						
Terminal Devices								
	Air Handler/Dir Expansion	75%	Now	\$1,100	2028	\$56,500	1	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Condensate Pumps Leaking / Temporary Power</i>								
	No Component	25%						
Heat Rejection								
	Dry Cooler	75%			2028	\$27,500	2	\$4,400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 3 Split Units / R - 22</i>								
	No Component	25%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,700
Exhaust Fans								
	Interior	50%			2019	\$14,100	2	\$100
	Roof	50%			2028	\$6,600	2	\$100
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2033	**	1	
Water Heater								
	Gas Fired	100%			2021	\$4,800	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 75 Gallon Units</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 59/LADDER CO. 30
Asset # : 13047

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2019	\$300	4	\$300
	Fixtures							
	Generic	100%						

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 6
Address : 49 BEEKMAN STREET BTWN WILLIAM ST. - GOLD ST.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.006 / 13005 **Yr Built/Renovated** : 1904 / 2005
Area Sq Ft : 5,001 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3,4
Block : 93 **Lot** : 30 **BIN** : 1001287

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Mechanical		\$58,500
Total		\$58,500
Importance Code B		\$58,500
Total		\$58,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture		\$2,800		\$5,600
Interior Architecture	\$2,700	\$1,000	\$1,700	\$300
Electrical	\$900	\$500	\$2,000	\$5,000
Mechanical	\$30,100	\$600	\$2,500	\$600
Total	\$33,700	\$4,800	\$6,200	\$11,500
Importance Code A	\$200	\$3,100	\$200	\$5,900
Importance Code B	\$33,400	\$1,800	\$4,600	\$5,600
Importance Code C			\$1,400	
Total	\$33,700	\$4,800	\$6,200	\$11,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 6
Asset # : 13005

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	73%			LIFE	**	5	\$18,400	
Masonry: Limestone	20%			LIFE	**	5	\$3,800	
Metal Sect. OHD	5%			2040	**	5	\$3,900	
Granite Panels	2%			LIFE	**	5	\$400	
Windows								
Aluminum	100%			2043	**	5	\$1,400	
Parapets								
Copper/Terne	5%			2047	**	5	\$400	
Masonry: Brick	80%			LIFE	**	5	\$1,200	
Masonry: Limestone	10%			LIFE	**	5	\$200	
Metal Rail	5%			2040	**	5-10	\$1,400	
Roof								
Modified Bitumen	100%			2032	**	10	\$5,500	
Interior								
Floors								
Cast in Place Concrete	25%			LIFE	**	5	\$4,100	
Ceramic Tile	10%			2036	**	5	\$700	
Panel/Paver: Cer/Brk	5%			2035	**	5	\$800	
Sheet Vinyl/Rubber	5%			2027	\$11,100	5	\$600	
Wood	55%	4+	\$2,700	2055	**	5	\$3,900	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor</i>								
Interior Walls								
Ceramic Tile	20%			2036	**	5	\$2,700	
Concrete Masonry Unit	20%			LIFE	**	5	\$1,100	
Gypsum Board	40%			LIFE	**	5	\$3,300	
SGFT/Glazed Masonry	20%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	15%			2040	**	5	\$1,100	
Exposed Concrete	25%			LIFE	**	5	\$300	
Exposed Struc: Steel	10%			LIFE	**			
Gypsum Board	45%			LIFE	**	5	\$4,200	
Metal Panel	5%			LIFE	**	5	\$500	
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2032	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 6
Asset # : 13005

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Service Equipment								
	Fused Disc Sw	100%			2047	**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Amperes Main Disconnect Switch</i>								
<hr/>								
Switchgear / Switchboard								
	Fused Disc Sw	100%			2047	**	5	
<hr/>								
Raceway								
	Conduit	100%			2047	**	1	
<hr/>								
Panelboards								
	Fused Disc Sw	10%			2043	**	5	
	Molded Case Bkrs	90%			2043	**	5	\$100
<hr/>								
Wiring								
	Thermoplastic	100%			2047	**	1	
<hr/>								
Motor Controllers								
	Locally Mounted	100%			2040	**	5	
<hr/>								
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$100
<hr/>								
Stand-by Power								
Transfer Switches								
	Automatic	100%			2040	**	1	\$1,500
<hr/>								
Generators								
	Diesel	100%			2036	**	1	\$1,900
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room In Basement</i>								
<i>Explanation : Ratings Not Available</i>								
<hr/>								
Batteries								
	Lead/Acid	100%			2021	\$1,500	5	\$200
<hr/>								
Fuel Storage								
	Main Tank	100%			2055	**	5	\$100
<hr/>								
Lighting								
Interior Lighting								
	Fluorescent	100%			2032	**	10	\$4,600
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-8 Lamps</i>								
<hr/>								
Egress Lighting								
	Emergency, Service	50%			2027	\$1,200	1	
	Exit, Service	50%			2027	\$300	1	
<hr/>								
Exterior Lighting								
	HID	100%			2027	\$18,900	10	
<hr/>								
Alarm								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 6
Asset # : 13005

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Fire/Smoke Detection

No Component

95%

Generic, Digital

5% Now

\$500 2037

* * 1-3

\$100

*Devices Missing, Extent : Moderate, Area Affected : 100%**Location : 2nd - 4th Floors**Local/Battery Operated Detect, Extent : Light, Area Affected : 100%**Location : 2nd - 4th Floors*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2047

* * 1

*Recent Replace Evident, Extent : Light, Area Affected : 100%**Location : Basement*

Conversion Equipment

Hot Water Boiler

100%

2040

* * 1

\$2,500

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 2 Units*

Distribution

Hot Wtr Piping/Pump

100%

2043

* * 4

\$400

Terminal Devices

Convactor/Radiator

80%

2040

* * 1

\$1,300

Unit Heater - Steam

20%

2032

* * 4

\$100

Air Conditioning

Energy Source

Electricity

100%

2049

* * 1

Conversion Equipment

Ext Pkg Unit -

Heating/Cooling

100% Now

\$29,300 2027

\$58,500

2

\$200

*R-22 Refrigerant, Extent : Light, Area Affected : 100%**Location : Roof**Unit Inoperable, Extent : Moderate, Area Affected : 5%**Location : Roof**Other Observation, Extent : Moderate, Area Affected : 80%**Location : Roof**Explanation : Requires Frequent Repair*

Distribution

Ductwork/Diffusers

100%

LIFE

* * 2

\$6,500

Ventilation

Exhaust Fans

Interior

50%

2032

* * 2

\$100

Roof

50%

2032

* * 2

\$100

Plumbing

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 6
Asset # : 13005

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
H/C Water Piping	Brass/Copper	100%			2047	**	1	
Water Heater	Gas Fired	100%			2025	\$2,900	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units 74 Gallon</i>								
Sanitary Piping	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)	Submersible	100%			2021	\$200	4	\$100
Backflow Preventer	Generic	100%			2032	**	1	\$300
Fixtures	Generic	100%						
Fire Suppression								
Sprinkler	Generic	100%			2047	**	1-2	\$1,400
Chemical System	Wet	10%			2025	\$200	1-3	\$500
	No Component	90%						

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 60/LADDER CO. 17
Address : 341 EAST 143RD STREET
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.060 / 13048 **Yr Built/Renovated** : 1906 /
Area Sq Ft : 11,250 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-May-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2306 **Lot** : 52 **BIN** : 2000656

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$277,200	\$46,200
Interior Architecture	\$216,000	
Total	\$493,200	\$46,200
Importance Code A	\$277,200	\$46,200
Importance Code B	\$130,900	
Importance Code C	\$85,100	
Total	\$493,200	\$46,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$75,500	\$1,100		\$5,500
Interior Architecture	\$30,200	\$8,200		
Electrical	\$900	\$900	\$800	\$3,100
Mechanical	\$2,600	\$2,300	\$2,700	\$17,000
Total	\$109,100	\$12,400	\$3,500	\$25,600
Importance Code A	\$76,600	\$2,300	\$1,100	\$6,600
Importance Code B	\$32,500	\$7,700	\$2,300	\$19,000
Importance Code C		\$2,400		
Total	\$109,100	\$12,400	\$3,500	\$25,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 60/LADDER CO. 17
Asset # : 13048

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Alum/Vinyl Siding	5%			2037	**	10	\$600		
Cast Stone/Terra Cotta	5%	4+	\$15,500	LIFE	**	5	\$14,900		
<i>Staining/Discoloring, Extent : Light, Area Affected : 20%</i>									
<i>Location : Street Facade</i>									
Masonry: Brick	72%	2-4	\$165,200	LIFE	**	5	\$27,400		
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Rear And Side Walls</i>									
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Rear And Side Walls</i>									
Masonry: Granite	5%	0-2	\$4,600	LIFE	**	5	\$1,400		
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Street Facade</i>									
Masonry: Limestone	5%	4+	\$4,600	LIFE	**	5	\$1,400		
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : Street Facade</i>									
Metal Sect. OHD	5%			2032	**	5	\$6,000		
Metal: Cage/Fence	3%			2032	**	5	\$5,000		
Windows									
Aluminum	80%			2035	**	5	\$2,300		
Aluminum	20%	Now	\$23,800	2052	**	5	\$300		
<i>Air Infiltration, Extent : Severe, Area Affected : 100%</i>									
<i>Location : 2nd Floor, Street Facade</i>									
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 40%</i>									
<i>Location : 2nd Floor, Street Facade</i>									
Parapets									
Cast Stone/Terra Cotta	5%	2-4	\$4,400	LIFE	**	5	\$1,100		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 70%</i>									
<i>Location : Cornice - Street Facade</i>									
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Joint Lines - Street Side Parapet</i>									
Masonry: Brick	80%	Now	\$52,400	LIFE	**	5	\$2,300		
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : Street Facade</i>									
<i>Spalling, Extent : Moderate, Area Affected : 40%</i>									
<i>Location : Interior Parapet Face Throughout</i>									
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>									
<i>Location : Rear Parapet At Kitchen</i>									
Masonry: Limestone	15%	Now	\$13,400	LIFE	**	5	\$500		
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Street Facade</i>									
<i>Loose Units, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Street Facade</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : 3rd Floor Bathroom</i>									

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 60/LADDER CO. 17
Asset # : 13048

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Roof								
Built-Up (BUR)	75%			2027	\$46,200	10	\$10,100	
Built-Up (BUR)	15%	Now	\$9,200	2037	**			
<i>Ponding, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Over Kitchen</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over Kitchen</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Kitchen Roof Throughout</i>								
Skylight, Metal/Glass	10%	Now	\$59,600	2047	**			
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Main Roof</i>								
Interior								
Floors								
Cast in Place Concrete	10%	Now	\$18,400	LIFE	**	5	\$3,900	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement Slab At Floor Drains</i>								
Cast in Place Concrete	35%			LIFE	**	5	\$13,500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	5%			2030	**	5	\$900	
Quarry Tile	5%			2040	**	5	\$1,300	
Sheet Vinyl/Rubber	25%	Now	\$130,900	2037	**	5	\$3,300	
<i>Uneven Substrate, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 2nd Floor Rooms And Corridors</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : 2nd Floor Corridors</i>								
Wood	20%			2030	**	5	\$6,600	
Interior Walls								
Ceramic Tile	20%			2030	**	5	\$4,900	
Glass: Single Pane	8%			LIFE	**	5	\$1,500	
Gypsum Board	5%			LIFE	**	5	\$700	
Masonry: Brick	30%	0-2	\$85,100	LIFE	**			
<i>Spalling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Basement Vault, Rear And Side Walls</i>								
Plaster	37%			LIFE	**	5	\$2,700	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 60/LADDER CO. 17
Asset # : 13048

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
Acous Tile Susp. Lay-In	15%			2040	**	5	\$2,700	
Embossed Metal	25%	Now	\$7,800	LIFE	**	5	\$2,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
Exposed Concrete	10%			LIFE	**	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Portion Of Basement</i>								
<i>Explanation : Slab Not Replace -</i>								
Exposed Struc: Steel	15%			LIFE	**			
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Support Beams Below Apparatus Floor</i>								
Plaster	35%	Now	\$4,100	LIFE	**	5	\$3,900	
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Second Floor Office</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2053	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated @ 200 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2053	**	5	\$300	
Raceway								
Conduit	50%			2037	**	1		
Conduit	50%			2053	**	1		
Panelboards								
Molded Case Bkrs	50%			2035	**	5	\$100	
Molded Case Bkrs	50%			2049	**	5	\$100	
<i>Obsolete Equipment, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
Wiring								
Thermoplastic	50%			2037	**	1		
Thermoplastic	50%			2053	**	1		
Motor Controllers								
Locally Mounted	100%			2032	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	**	1	\$3,500	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 60/LADDER CO. 17
Asset # : 13048

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Generators								
Diesel	100%			2036	**	1	\$4,400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Emergency Generator Rated @ 40kw</i>								
Batteries								
Lead/Acid	100%			2022	\$1,500	5	\$400	
Fuel Storage								
Main Tank	100%			2062	**	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 50 Gallons Rated Capacity</i>								
Lighting								
Interior Lighting								
Fluorescent	98%			2035	**	10	\$10,100	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	1%			2022	\$300	10	\$100	
<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Incandescent	1%			2027	\$700	2		
Egress Lighting								
Emergency, Service	50%			2035	**	1		
Exit, Service	50%			2035	**	1		
Exterior Lighting								
HID	20%			2035	**	10		
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2037	**	1		
Conversion Equipment								
Steam Boiler	100%			2032	**	1	\$11,100	
Distribution								
Central Plant Steam Piping/Pmp	100%			2037	**	4	\$600	
Terminal Devices								
Convactor/Radiator	80%			2032	**	1	\$2,900	
Unit Heater - Steam	20%			2027	\$7,500	4	\$300	
Air Conditioning								
Energy Source								
Electricity	100%			2035	**	1		

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 60/LADDER CO. 17
Asset # : 13048

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Split Unit	20%			2037	**			
<i>Recent Replace Evident, Extent : Light, Area Affected : 20%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Units. Split Unit Serves Bunk Area And Kichen. R-410a</i>								
Window/Wall Unit	30%			2022	\$6,600	1		
No Component	50%							
Terminal Devices								
Fan Coil - 2 Pipe	20%			2037	**	1	\$700	
No Component	80%							
Heat Rejection								
Dry Cooler	20%			2037	**	2	\$1,600	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	30%			LIFE	**	2-5	\$1,900	
No Component	70%							
Exhaust Fans								
Interior	30%			2027	\$11,200	2	\$100	
Roof	10%			2027	\$1,700	2		
Wall Unit	60%			2027	\$2,200	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2037	**	1		
Water Heater								
Gas Fired	100%			2022	\$6,400	2	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1- 75 Gallon Unit</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement And 1st Floor Rest Room</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2020	\$400	4	\$400	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2022	\$1,900	1-3	\$4,000	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 62/LADDER 32
Address : 3431 WHITE PLAINS ROAD
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.062 / 13050 **Yr Built/Renovated** : 1903 /
Area Sq Ft : 6,878 **Project Type** : FIRE DEPARTMENT
Date of Survey : 20-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 4628 **Lot** : 53 **BIN** : 2056968

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$148,600	\$91,800
Total	\$148,600	\$91,800
Importance Code A	\$148,600	\$91,800
Total	\$148,600	\$91,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$53,800	\$16,300		\$600
Interior Architecture	\$41,600	\$1,800		\$2,400
Electrical	\$31,600	\$500	\$400	\$500
Mechanical	\$43,800	\$1,500	\$1,900	\$7,000
Total	\$170,700	\$20,100	\$2,300	\$10,600
Importance Code A	\$65,000	\$16,900	\$500	\$1,200
Importance Code B	\$97,700	\$2,000	\$1,800	\$9,400
Importance Code C	\$8,000	\$1,200		
Total	\$170,700	\$20,100	\$2,300	\$10,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 62/LADDER 32
Asset # : 13050

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	10%	Now	\$8,400	2037	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Siding Missing On North Wall</i>								
Masonry: Brick	70%	Now	\$107,600	LIFE	**	5	\$17,900	
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 65%</i>								
<i>Location : Side Facades</i>								
Masonry: Granite	3%			LIFE	**	5	\$600	
Masonry: Limestone	7%	Now	\$9,700	LIFE	**	5	\$1,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Window Sills At Main Entrance Facade</i>								
Metal Sect. OHD	10%			2040	**	5	\$8,000	
Windows								
Aluminum	100%	Now	\$8,600	2035	**	5	\$500	
<i>Air Infiltration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
Parapets								
Copper/Terne	20%			2047	**	5	\$1,300	
Masonry: Brick	55%	Now	\$41,000	LIFE	**	5	\$700	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Inside Parapet At Roof</i>								
Masonry: Limestone	10%			LIFE	**	5	\$200	
Metal Cornice	15%	Now	\$5,700	2055	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Cornice And Balustrade Throughout</i>								
Roof								
Roll Roofing	20%			2020	\$10,300	5	\$4,100	
Single Ply Membrane	70%	2-4	\$2,900	2027	\$29,300			
<i>Blisters, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Main Roof</i>								
Skylight, Metal/Glass	5%			2027	\$91,800	10	\$2,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Roof</i>								
Skylight, Metal/Glass	5%	Now	\$18,400	2057	**			1
<i>Water Penetration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Worn And Deteriorated</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 62/LADDER 32
Asset # : 13050

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$18,600	LIFE	**	5	\$13,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : 1st Floor And Basement</i>								
<i>Uneven Surface, Extent : Moderate, Area Affected : 3%</i>								
<i>Location : 1st Floor And Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Apparatus Room Floor</i>								
<i>Explanation : Temporary Posts In Cellar To Support Floor</i>								
Ceramic Tile	10%			2030	**	5	\$1,200	
Quarry Tile	5%			2032	**	5	\$900	
Vinyl Tile	20%	2-4	\$4,000	2027	\$20,200	3	\$900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
Wood	15%			2042	**	5	\$3,400	
Interior Walls								
Ceramic Tile	15%			2030	**	5	\$2,500	
Gypsum Board	25%			LIFE	**	5	\$2,500	
Masonry: Brick	25%	Now	\$8,000	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Plaster	20%			LIFE	**	5	\$1,000	
Plywood/Hardboard	15%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	15%	Now	\$700	2040	**	5	\$900	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor Various Locations</i>								
Embossed Metal	50%	Now	\$2,600	LIFE	**	5	\$2,700	
<i>Bent/Warped Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 3%</i>								
<i>Location : West Of Apparatus Room</i>								
Exposed Concrete	20%	Now	\$7,700	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Basement</i>								
Plaster	10%			LIFE	**	5	\$700	
Plywood/Hardboard	5%			2047	**	1		
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2040	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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FIRE DEPARTMENT - 057
ENGINE CO. 62/LADDER 32
Asset # : 13050

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
	Service Equipment							
	Fused Disc Sw	100%	0-2	\$4,800	2057	**	5	
		<i>Enclosure Corroded, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Meter Enclosure Is Rusted In Basement, Main Electrical Area</i>						
		<i>Suspect Water Damage, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement, Main Electrical Area</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement, Main Electrical Area</i>						
		<i>Explanation : 200 Amp</i>						
<hr/>								
	Raceway							
	Conduit	30%	Now	\$9,400	2057	**	1	
		<i>Other Observation, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Service End Box And Service Feeder Conduits Are Rusted And Broken</i>						
	Conduit	70%			2037	**	1	
		<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Basement, Main Electrical Area</i>						
		<i>Explanation : Pull Box Enclosure Is Rusted</i>						
<hr/>								
	Panelboards							
	Molded Case Bkrs	80%			2035	**	5	\$100
	Molded Case Bkrs	10%	0-2	\$1,900	2035	**	5	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Panel Enclosure Is Rusted</i>						
	Molded Case Bkrs	10%	Now	\$1,900	2035	**	5	
		<i>Covers Missing, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
<hr/>								
	Wiring							
	Braided Cloth	30%	0-2	\$8,300	2052	**	1	
		<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
	Thermoplastic	70%			2037	**	1	
<hr/>								
	Motor Controllers							
	Locally Mounted	100%			2025		5	\$14,400
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor - Roll Up Gates</i>						
		<i>Explanation : Showing Wear Due To Regular Usage</i>						
<hr/>								
	Ground							
	Grounding Devices							
	Generic	100%	4+	\$3,800	LIFE	**	5	\$100
		<i>Other Observation, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Corroded</i>						
<hr/>								
	Lighting							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 62/LADDER 32
Asset # : 13050

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Interior Lighting

Fluorescent

40%

2027

\$7,500

10

\$2,500

*T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%**Location : Basement*

Incandescent

10%

2027

\$4,400

2

*Other Observation, Extent : Light, Area Affected : 100%**Location : 1st And 2nd Floor**Explanation : 2nd Floor Bunk Room*

LED

50%

2032

* *

*Other Observation, Extent : Light, Area Affected : 100%**Location : 1st And 2nd Floor**Explanation : LED Light Fixtures Installed*

Exterior Lighting

HID

100%

2027

\$25,900

10

Alarm

Fire/Smoke Detection

Generic, Analog

100%

Now

\$1,400

2037

* *

1-3

\$3,800

*Devices Missing, Extent : Moderate, Area Affected : 100%**Location : 2nd Floor**Local/Battery Operated Detect, Extent : Light, Area Affected : 100%**Location : 2nd Floor*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2047

* *

1

Conversion Equipment

Furnace

40%

Now

\$6,100

2037

* *

1

\$1,200

*Other Observation, Extent : Severe, Area Affected : 100%**Location : 1st Floor**Explanation : Unit Past Useful Life, Not Serviceable*

Radiant Heater

10%

2032

* *

2

\$300

*Other Observation, Extent : Light, Area Affected : 100%**Location : 1st Floor**Explanation : Serves Gymnasium*

Steam Boiler

50%

2040

* *

1

\$3,400

Distribution

Central Plant Steam

100%

2053

* *

4

\$300

Piping/Pmp

Terminal Devices

Convactor/Radiator

90%

2032

* *

1

\$2,000

Unit Heater - Steam

10%

2027

\$2,300

4

\$100

Air Conditioning

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 62/LADDER 32
Asset # : 13050

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	30%	Now	\$15,600	2037	**	2	\$100	
		<i>Other Observation, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : Unit Past Useful Life, Not Serviceable</i>						
Split Unit	10%			2027	\$13,700			
Window/Wall Unit	40%			2022	\$5,400	1		
No Component	20%							
Distribution								
Ductwork/Diffusers	30%	Now	\$20,700	LIFE	**	2	\$2,700	
		<i>Other Observation, Extent : Severe, Area Affected : 75%</i>						
		<i>Location : 2nd Floor</i>						
		<i>Explanation : Broken And Missing Elements</i>						
No Component	70%							
Heat Rejection								
Dry Cooler	10%			2032	**	2	\$500	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Split Units Serve Gymnasium</i>						
No Component	90%							
Ventilation								
Exhaust Fans								
Roof	100%			2032	**	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2037	**	1		
Water Heater								
Gas Fired	100%			2025	\$3,900	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 - 75 Gallon Units</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2020	\$200	4	\$200	
Backflow Preventer								
Generic	5%			2032	**	1		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Serves Boiler Only</i>						
Generic	95%			2032	**	1	\$400	

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** Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057
ENGINE CO. 62/LADDER 32
Asset # : 13050**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	100%			2025	\$2,100	1-3	\$4,600	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : Serves Cooking Area</i>						

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 63/ LADDER CO. 39
Address : 755 EAST 233RD STREET @ BYRON AVE.
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.063 / 13051 **Yr Built/Renovated** : 1971 / 2013
Area Sq Ft : 7,552 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Jun-2015 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 4997 **Lot** : 13 **BIN** : 2068155

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$44,400
Total		\$44,400
Importance Code A		\$44,400
Total		\$44,400

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture				\$4,500
Interior Architecture	\$1,300		\$1,600	\$400
Electrical	\$2,200	\$500	\$600	\$700
Mechanical	\$1,100	\$1,400	\$4,800	\$1,100
Total	\$4,600	\$1,900	\$7,000	\$6,800
Importance Code A	\$400	\$400	\$400	\$5,000
Importance Code B	\$4,200	\$1,500	\$6,600	\$1,800
Importance Code C				
Total	\$4,600	\$1,900	\$7,000	\$6,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 63/ LADDER CO. 39
Asset # : 13051

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	15%			LIFE	**	5	\$17,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Recent Construction</i>								
Cast Stone/Terra Cotta	25%			LIFE	**	5	\$44,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Recent Construction</i>								
Cement-Fiber Panel	20%			2034	**	10	\$14,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Recent Construction</i>								
Masonry: Brick	30%			LIFE	**	5	\$6,800	
Wood Overhead Doors	10%			2043	**	5	\$11,400	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
Windows								
Aluminum	100%			2048	**	5	\$700	
<i>Recent Construction, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$4,100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
Masonry: Brick	70%			LIFE	**	5	\$1,800	
Metal Panel	10%			2052	**	5	\$1,000	
<i>Recent Construction, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
Roof								
Modified Bitumen	90%			2034	**	10	\$10,800	
<i>Recent Construction, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
Skylight, Metal/Glass	10%			2052	**	10	\$4,000	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 63/ LADDER CO. 39
Asset # : 13051

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	35%			LIFE	**	5	\$8,800	
Ceramic Tile	15%			2039	**	5	\$1,700	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Terrazzo	5%			LIFE	**	5	\$400	
Vinyl Tile	30%			2034	**	3	\$1,700	
<i>Recent Construction, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Wood	15%			2061	**	5	\$3,200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Cast in Place Concrete	15%			LIFE	**			
Concrete Masonry Unit	20%			LIFE	**	5	\$1,300	
Gypsum Board	50%			LIFE	**	5	\$4,700	
<i>Recent Construction, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
SGFT/Glazed Masonry	15%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	35%			2043	**	5	\$4,000	
<i>Recent Construction, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Steel	15%			LIFE	**			
<i>Recent Construction, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Gypsum Board	30%			LIFE	**	5	\$4,300	
<i>Recent Construction, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Plaster	20%			LIFE	**	5	\$1,400	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2052	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 400 Amperes Service</i>								
Raceway								
Conduit	100%			2046	**	1		
Panelboards								
Molded Case Bkrs	80%			2042	**	5	\$200	
Molded Case Bkrs	20%			2034	**	5		

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 63/ LADDER CO. 39
Asset # : 13051

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Wiring								
Thermoplastic	100%			2052	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2043	**	1	\$2,300	
Generators								
Diesel	100%			2029	**	1	\$2,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior</i>								
<i>Explanation : 64 Kw Generator</i>								
Batteries								
Lead/Acid	100%			2019	\$1,500	5	\$300	
Fuel Storage								
Main Tank	100%			2041	**	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	100%			2026	\$20,500	10	\$6,900	
Egress Lighting								
Emergency, Service	50%			2034	**	1		
Exit, LED	50%			2061	**	1		
Exterior Lighting								
HID	100%			2034	**	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2046	**	1		
Conversion Equipment								
Furnace	50%			2031	**	1	\$1,900	
Hot Water Boiler	50%			2039	**	1	\$1,900	
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$2,100	
Hot Wtr Piping/Pump	50%			2042	**	4	\$200	
Terminal Devices								
Convactor/Radiator	95%			2039	**	1	\$2,300	
Fan Coil Unit/Heat	5%			2031	**	1	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2042	**	1		

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 63/ LADDER CO. 39
Asset # : 13051

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	98%			2031	**	2	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : R410a</i>								
Split Unit	2%			2031	**			
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$9,800	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,200	
Exhaust Fans								
Interior	10%			2031	**	2		
Roof	90%			2031	**	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		
Water Heater								
Gas Fired	100%			2024	\$4,300	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2020	\$200	4	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Duplex Units</i>								
Backflow Preventer								
Generic	100%			2031	**	1	\$500	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	70%							
Generic	30%			2046	**	1-2	\$600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Basement Only</i>								
Chemical System								
Generic	100%			2024	\$1,900	1-3	\$3,700	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 64
Address : 1214 CASTLE HILL AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.064 / 13052 **Yr Built/Renovated** : 1912 /
Area Sq Ft : 4,050 **Project Type** : FIRE DEPARTMENT
Date of Survey : 16-Aug-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3821 **Lot** : 7 **BIN** : 2094871

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$50,400	\$70,500
Interior Architecture		\$43,500
Total	\$50,400	\$113,900
Importance Code A	\$50,400	\$70,500
Importance Code C		\$43,500
Total	\$50,400	\$113,900

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$23,800			
Interior Architecture	\$30,000	\$400	\$800	
Electrical	\$100			
Mechanical	\$31,300	\$600	\$3,300	\$600
Total	\$85,100	\$1,000	\$4,100	\$600
Importance Code A	\$48,300	\$400	\$400	\$400
Importance Code B	\$30,700	\$600	\$2,900	\$200
Importance Code C	\$6,100		\$800	
Total	\$85,100	\$1,000	\$4,100	\$600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 64
Asset # : 13052

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	75%	0-2	\$50,400	LIFE	**	5	\$16,700	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout All Facades</i>								
Masonry: Granite	5%	0-2	\$13,200	LIFE	**	5	\$800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Corners Of Building Base</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout The Building Base</i>								
Masonry: Limestone	10%			LIFE	**	5	\$1,700	
Wood Overhead Doors	10%			2028	\$70,500	5	\$11,200	
Windows								
Aluminum	100%	Now	\$10,600	2039	**	5	\$400	
<i>Unit Inoperable, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	80%			LIFE	**	5	\$1,400	
Masonry: Limestone	10%			LIFE	**	5	\$200	
Metal Cornice	10%			2038	**	10	\$600	
Roof								
Modified Bitumen	100%			2028	\$33,000	10	\$5,700	
Interior								
Floors								
Cast in Place Concrete	30%	Now	\$9,400	LIFE	**	5	\$4,000	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Slab Is Old And Does Not Carry Current Loads - Is Shored Up From Basement</i>								
Ceramic Tile	5%	Now	\$1,200	2032	**	5	\$200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor Bathrooms, Captain Office Bathroom</i>								
Quarry Tile	10%	0-2	\$900	2036	**	5	\$500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	50%			2023	\$25,700	3	\$1,100	
Wood	5%	0-2	\$3,000	2051	**	5	\$300	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor T V Room</i>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 64
Asset # : 13052

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	15%			2026	\$43,500	5	\$1,600	
Gypsum Board	25%			LIFE	**	5	\$1,600	
Masonry: Brick	15%	Now	\$6,100	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement Of Engine Co. 64</i>								
Masonry: Brick	30%			LIFE	**			
Plaster	15%			LIFE	**	5	\$500	
Ceilings								
AcousTileSusp.Lay-In	20%			2028	\$9,800	5	\$1,200	
Embossed Metal	70%	0-2	\$7,400	LIFE	**	5	\$1,900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
<i>Loose/Miss Fasteners, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
Exposed Concrete	10%	Now	\$1,900	LIFE	**	5	\$100	
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2043	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Amperes Main Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2043	**	5	\$100	
Raceway								
Conduit	100%			2043	**	1		
Panelboards								
Fused Disc Sw	10%			2039	**	5		
Molded Case Bkrs	90%			2039	**	5	\$100	
Wiring								
Thermoplastic	100%			2043	**	1		
Motor Controllers								
Locally Mounted	100%			2036	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 64
Asset # : 13052

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Interior Lighting Fluorescent	100%			2028	\$11,000	10	\$3,700	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Throughout

Explanation : T-8 Lamps

Egress Lighting Emergency, Service	60%			2028	\$1,200	1		
Emergency, Battery	10%			2028	\$500	10	\$100	
Exit, Service	30%			2028	\$100	1		

Exterior Lighting HID	100%			2028	\$15,300	10		
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Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source Fuel Oil No 2	100%			2043	**	5	\$1,300	
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Conversion Equipment Steam Boiler	100%	0-2	\$24,500	2043	**	1	\$3,600	
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Obsolete Equipment, Extent : Moderate, Area Affected : 100%

Location : Basement

Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : One Unit

Distribution Central Plant Steam Piping/Pmp	100%			2033	**	4	\$200	
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Terminal Devices Convactor/Radiator	100%			2028	\$20,300	1	\$1,300	
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Air Conditioning

Energy Source Electricity	100%			2045	**	1		
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Conversion Equipment Window/Wall Unit	50%			2019	\$3,900	1		
No Component	50%							

Terminal Devices Fan Coil - 2 Pipe	50%			2028	\$18,000	1	\$700	
No Component	50%							

Heat Rejection Air Cooled Condenser Unit	50%			2023	\$1,900	2	\$1,400	
No Component	50%							

Ventilation

Exhaust Fans Interior	100%			2023	\$13,500	2	\$100	
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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 64
Asset # : 13052

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	H/C Water Piping							
	Brass/Copper	10%			2043	**	1	
	Galvanized Steel	90%			2028	\$15,000	1	
	Water Heater							
	Gas Fired	100%			2021	\$2,300	2	\$100
	Sanitary Piping							
	Cast Iron	100%	Now	\$1,400	LIFE	**	1	
			<i>Leak Evident, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Bathroom Shower In 2nd Floor</i>					
	Storm Drain Piping							
	Cast Iron	100%	Now	\$800	LIFE	**	1	
			<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Basement When It Rains</i>					
	Sump Pump(s)							
	Submersible	100%			2019	\$100	4	\$100
	Fixtures							
	Generic	100%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 65
Address : 33 WEST 43RD STREET BTWN 5TH AVE. - 6TH AVE.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.065 / 13053 **Yr Built/Renovated** : 1898 / 2012
Area Sq Ft : 5,918 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Feb-2013 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,3,4
Block : 1259 **Lot** : 18 **BIN** : 1076256

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$81,000	\$40,100
Total	\$81,000	\$40,100
Importance Code A	\$81,000	\$40,100
Total	\$81,000	\$40,100

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$36,700			
Interior Architecture	\$19,900			\$500
Electrical	\$300	\$200	\$200	\$2,100
Mechanical	\$6,700	\$1,100	\$1,400	\$3,700
Total	\$63,600	\$1,300	\$1,600	\$6,300
Importance Code A	\$37,300	\$600	\$600	\$600
Importance Code B	\$26,300	\$700	\$1,000	\$5,700
Importance Code C				
Total	\$63,600	\$1,300	\$1,600	\$6,300



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FIRE DEPARTMENT - 057
ENGINE CO. 65
Asset # : 13053

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	50%			LIFE	**	5	\$15,300	
Masonry: Limestone	40%	0-2	\$81,000	LIFE	**	5	\$9,200	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Front Facade</i>								
Metal Coiling Doors	10%			2044	**	5	\$9,600	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Windows								
Wood	100%			2049	**	5	\$14,100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,200	
Masonry: Brick	90%	0-2	\$24,800	LIFE	**	5	\$1,400	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Roof								
Modified Bitumen	100%			2024		10	\$6,300	
Interior								
Floors								
Cast in Place Concrete	20%			LIFE	**	5	\$4,300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Cast in Place Concrete	25%			LIFE	**	5	\$5,400	
Ceramic Tile	5%			2033	**	5	\$500	
Quarry Tile	10%	0-2	\$3,100	2037	**	5	\$700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	40%			2034	**	3	\$2,000	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	10%			2033	**	5	\$1,800	
Masonry: Brick	25%			LIFE	**			
Plaster	40%			LIFE	**	5	\$2,200	
SGFT/Glazed Masonry	25%			LIFE	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 65
Asset # : 13053

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Interior

Ceilings

AcousTileSusp.Lay-In	20%	0-2	\$1,800	2029	**	5	\$1,000	
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Cracking/Crumbling, Extent : Light, Area Affected : 10%
Location : Throughout

Embossed Metal	55%	4+	\$6,600	LIFE	**	5	\$2,500	
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Paint Peeling, Extent : Severe, Area Affected : 50%
Location : Throughout

Exposed Struc: Steel	15%			LIFE	**			
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Masonry: Infill Arch	10%	Now	\$8,000	LIFE	**			
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Other Observation, Extent : Severe, Area Affected : 100%
Location : Cellar
Explanation : Structurally Insufficient

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2034	**	5		
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Other Observation, Extent : Moderate, Area Affected : 100%
Location : Electrical Room
Explanation : One 200 Amperes Main Disconnect Switch

Switchgear / Switchboard

Molded Case Bkrs	100%			2034	**	5	\$200	
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Raceway

Conduit	95%			2034	**	1		
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Conduit	5%			2050	**	1		
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Panelboards

Fused Disc Sw	5%			2032	**	5		
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Molded Case Bkrs	65%			2032	**	5	\$100	
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Molded Case Bkrs	30%			2046	**	5		
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Wiring

Thermoplastic	40%			2050	**	1		
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Thermoplastic	60%			2034	**	1		
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Motor Controllers

Locally Mounted	50%			2029	**	5		
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Locally Mounted	50%			2041	**	5		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Stand-by Power

Transfer Switches

Automatic	100%			2029	**	1	\$1,800	
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Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 65
Asset # : 13053

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Interior Lighting Fluorescent	63%			2024	\$11,000	10	\$3,400	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	35%			2032	**	10	\$1,900	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement And 1st Floor</i>								
Incandescent	2%			2024	\$800	2		
Exterior Lighting HID	100%			2024	\$24,400	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source Natural Gas	100%			2050	**	1		
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
Conversion Equipment Steam Boiler	100%			2037	**	1	\$5,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Gas Fired Steam Boiler</i>								
Distribution Central Plant Steam Piping/Pmp	70%			2034	**	4	\$200	
Central Plant Steam Piping/Pmp	30%			2050	**	4	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Hammering Issues Probably Due To Poorly Pitched Steam Piping</i>								
Terminal Devices Convactor/Radiator	100%			2029	**	1	\$1,900	
Air Conditioning Energy Source Electricity	100%			2046	**	1		
Conversion Equipment Split Unit	10%			2032	**			
Window/Wall Unit	30%			2019	\$3,800	1		
No Component	60%							
Ventilation Distribution Ductwork/Diffusers	55%			LIFE	**	2-5	\$1,800	
No Component	45%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 65
Asset # : 13053

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Exhaust Fans								
Interior	35%			2029	**	2	\$100	
Roof	25%	Now	\$100	2029	**	2		
		<i>Malfunctioning, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Roof, Mechanical And Or Electrical Deficiencies</i>						
No Component	40%							
Plumbing								
H/C Water Piping								
Brass/Copper	10%			2050	**	1		
		<i>Recent Installation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Basement, Newly Installed Main</i>						
Brass/Copper	90%	Now	\$800	2044	**	1		
		<i>Booster Pump w/Tank, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement, 1 Of 2 Booster Pumps With Defective Pump Seals</i>						
Water Heater								
Gas Fired	100%			2023		2	\$100	
		<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Cellar</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%	Now	\$600	LIFE	**	1		
		<i>Blockage /Clogged, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : Probable Clogged Or Cracked Roof Drain Piping At Northeast Corner Of Roof.</i>						
		<i>The Affected Area On The Roof Is Creating Water Damage On Floor Below</i>						
Backflow Preventer								
Generic	100%			2032	**	1	\$400	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2022		1-3	\$4,000	

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 66 / LADDER CO. 61
Address : 21 ASCH LOOP W.
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.066 / 13054 **Yr Built/Renovated** : 1973 /
Area Sq Ft : 8,320 **Project Type** : FIRE DEPARTMENT
Date of Survey : 09-Apr-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5141 **Lot** : 103 **BIN** : 2072355

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$61,100
Interior Architecture		\$42,300
Mechanical		\$37,500
Total		\$140,900
Importance Code A		\$61,100
Importance Code B		\$79,800
Total		\$140,900

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$9,100		\$2,800	
Interior Architecture	\$4,300			\$1,400
Electrical	\$10,400	\$600	\$23,600	\$600
Mechanical	\$67,200	\$700	\$2,400	\$700
Total	\$91,000	\$1,300	\$28,800	\$2,700
Importance Code A	\$9,500	\$400	\$3,200	\$400
Importance Code B	\$81,500	\$900	\$25,600	\$1,800
Importance Code C				\$500
Total	\$91,000	\$1,300	\$28,800	\$2,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 66 / LADDER CO. 61
Asset # : 13054

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	15%			2043	**	10	\$800	
Concrete Masonry Unit	5%			LIFE	**	5	\$600	
Masonry: Brick	70%			LIFE	**	5	\$12,600	
Metal Sect. OHD	10%			2036	**	5	\$5,600	
Parapets								
Metal Rail	100%	Now	\$3,000	2036	**	5	\$16,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Plexiglass Panel</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Metal Rail With Plexiglass Panels</i>								
Roof								
Asphalt Shingle	10%			2026		10	\$200	
Modified Bitumen	90%	2-4	\$6,100	2023			\$61,100	
<i>Alligatoring, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Seams Throughout</i>								
<i>Blisters, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$13,600	
Ceramic Tile	5%			2032	**	5	\$600	
Terrazzo	5%			LIFE	**	5	\$500	
Vinyl Tile	40%			2028		3	\$2,500	
Interior Walls								
Cast in Place Concrete	5%			LIFE	**			
Ceramic Tile	5%			2032	**	5	\$1,000	
Concrete Masonry Unit	15%			LIFE	**	5	\$1,200	
<i>Vertical Cracks, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 2nd Floor</i>								
Plaster	35%			LIFE	**	5	\$2,100	
Plywood/Hardboard	2%			LIFE	**			
SGFT/Glazed Masonry	38%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Apparatus Room</i>								
<i>Explanation : Vertical Crack From Floor To Ceiling Near House Watch</i>								
Ceilings								
AcousTileSusp.Lay-In	5%			2028		5	\$600	
Exposed Concrete	45%			LIFE	**	5	\$900	
Gypsum Board	5%			LIFE	**	5	\$800	
Plaster	45%	Now	\$3,700	LIFE	**	5	\$3,500	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Locker Room At Beam, Apparatus Room Beams And Ceiling</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd Floor Officer Bathroom, Apparatus Room</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 66 / LADDER CO. 61
Asset # : 13054

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Service Equipment								
	Molded Case Bkrs	100%			2033	**	5	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 300 Amperes Circuit Breaker In Main Distribution Panel</i>								
<hr/>								
Switchgear / Switchboard								
	Molded Case Bkrs	100%			2033	**	5	\$200
<hr/>								
Raceway								
	Conduit	95%			2033	**	1	
	Conduit	5%			2049	**	1	
<hr/>								
Panelboards								
	Molded Case Bkrs	95%			2031	**	5	\$200
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement, Main Electrical Room</i>								
<i>Explanation : Communication Panel Door Is Missing. Some Wires Are Not Terminated And Not Insulated</i>								
	Molded Case Bkrs	5%			2045	**	5	
<hr/>								
Wiring								
	Thermoplastic	95%			2033	**	1	
	Thermoplastic	5%			2049	**	1	
<hr/>								
Motor Controllers								
	Locally Mounted	49%			2021	\$8,200	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Showing Wear Due To Regular Usage</i>								
	Locally Mounted	49%			2021	\$8,200	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor - Roll Up Gate</i>								
<i>Explanation : Showing Wear Due To Regular Usage</i>								
	Locally Mounted	2%	Now	\$300	2043	**	5	
<i>Not Functioning, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Air Conditioning Unit Is Rusted</i>								
<hr/>								
Ground								
Grounding Devices								
	Generic	100%	Now	\$9,500	LIFE	**	5	\$100
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Grounding Is Missing</i>								
<hr/>								
Stand-by Power								

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FIRE DEPARTMENT - 057
ENGINE CO. 66 / LADDER CO. 61
Asset # : 13054

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Transfer Switches Automatic	100%			2040	**	1	\$2,600	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Could Not Locate Label To Obtain Size</i>								
<hr/>								
Generators Diesel	100%			2036	**	1	\$3,200	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior</i>								
<hr/>								
Fuel Storage Main Tank	100%			2058	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior</i>								
<i>Explanation : Mounted In The Generator Belly</i>								
<hr/>								
Lighting								
Interior Lighting Fluorescent	80%			2031	**	10	\$6,100	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<hr/>								
Fluorescent	10%			2023	\$2,300	10	\$800	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor - Kitchen</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor - Kitchen</i>								
<i>Explanation : Showing Wear Due To Regular Usage</i>								
<hr/>								
Incandescent	10%			2023	\$5,300	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Gymnasium And 2nd Floor</i>								
<i>Explanation : Showing Wear Due To Regular Usage</i>								
<hr/>								
Egress Lighting								
Emergency, Service	90%			2031	**	1		
Emergency, Service	10%			2023	\$400	1		
<hr/>								
Exterior Lighting								
Fluorescent	40%			2031	**	10	\$300	
HID	40%			2031	**	10		
Incandescent	20%			2031	**	2		
<hr/>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2043	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 66 / LADDER CO. 61
Asset # : 13054

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment								
Hot Water Boiler	100%			2036	**	1	\$4,100	
Distribution								
Hot Wtr Piping/Pump	100%			2031	**	4	\$600	
Terminal Devices								
Convactor/Radiator	90%			2028	\$37,500	1	\$2,400	
Unit Heater - Steam	10%			2023	\$2,800	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	35%	Now	\$22,100	2033	**	2	\$100	
			<i>Other Observation, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Roof</i>					
			<i>Explanation : Unit Disassembled With Severely Damaged Or Missing Components</i>					
Window/Wall Unit	50%			2019	\$8,100	1		
No Component	15%							
Distribution								
Ductwork/Diffusers	35%	Now	\$31,100	LIFE	**	2	\$3,800	
			<i>Other Observation, Extent : Severe, Area Affected : 75%</i>					
			<i>Location : 2nd Floor</i>					
			<i>Explanation : Ductwork Severely Damaged And Missing Components</i>					
No Component	65%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,600	
Exhaust Fans								
Roof	100%			2023	\$12,900	2	\$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2033	**	1		
Water Heater								
Gas Fired	50%			2019	\$2,400	2	\$100	
Gas Fired	50%	Now	\$2,400	2023	\$2,400	2		
			<i>Leak Evident, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Tank In Basement</i>					
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	50%			2023	\$600	4	\$100	
Submersible	50%			2019	\$100	4	\$100	

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FIRE DEPARTMENT - 057
ENGINE CO. 66 / LADDER CO. 61
Asset # : 13054

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Backflow Preventer							
	No Component	95%						
	Generic	5%			2028	\$100	1	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Serves Boiler Only</i>					
Fixtures								
	Generic	100%						
Fire Suppression								
	Sprinkler							
	No Component	85%						
	Generic	15%			2033	**	1-2	\$300
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Connected To Domestic Water / Serves Half Of Basement</i>					

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 67
Address : 518 WEST 170th STREET @ AUDUBON AVE.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.067 / 13055 **Yr Built/Renovated** : 1898 /
Area Sq Ft : 5,904 **Project Type** : FIRE DEPARTMENT
Date of Survey : 16-Jul-2012 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,3
Block : 2126 **Lot** : 34 **BIN** : 1063024

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$35,400
Electrical	\$42,100	\$53,300
Mechanical		\$39,000
Total	\$42,100	\$127,800
Importance Code A		\$74,500
Importance Code B	\$42,100	\$53,300
Total	\$42,100	\$127,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$12,200			
Interior Architecture	\$24,000	\$100	\$300	
Electrical	\$12,800	\$500	\$500	\$500
Mechanical	\$19,900	\$800	\$5,100	\$800
Total	\$68,900	\$1,400	\$5,900	\$1,300
Importance Code A	\$14,200	\$600	\$600	\$600
Importance Code B	\$45,100	\$800	\$5,300	\$700
Importance Code C	\$9,600			
Total	\$68,900	\$1,400	\$5,900	\$1,300



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FIRE DEPARTMENT - 057
ENGINE CO. 67
Asset # : 13055

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	90%			LIFE	**	5	\$27,900	
Masonry: Limestone	5%			LIFE	**	5	\$1,200	
Wood	2%			2028	\$35,400	5	\$3,100	
Wood Overhead Doors	3%			2028	\$32,000	5	\$4,600	
Windows								
Aluminum	100%	Now	\$6,900	2039	**	5	\$800	
<i>Crwrt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	95%			LIFE	**	5	\$1,700	
Wood Cornice	5%			2043	**	5-10	\$1,200	
Roof								
Asphalt Shingle	5%			2026	\$1,100	10		
Roll Roofing	93%			2024	\$23,800	5	\$8,800	
Skylight, Metal/Glass	2%	0-2	\$900	2023	\$18,300			
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : 3rd Floor Training Room</i>								
Interior								
Floors								
Cast in Place Concrete	30%	Now	\$2,500	LIFE	**	5	\$4,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
Quarry Tile	5%			2036	**	5	\$600	
Vinyl Tile	10%			2023	\$6,900	3	\$300	
Wood	55%	4+	\$7,400	2051	**	5	\$3,800	
<i>Deteriorated Finish, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Gypsum Board	25%	0-2	\$600	LIFE	**	5	\$1,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	5%	0-2	\$7,300	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Plaster	35%	0-2	\$1,700	LIFE	**	5	\$1,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
SGFT/Glazed Masonry	30%			LIFE	**			
Wood	5%			LIFE	**	5	\$2,300	

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FIRE DEPARTMENT - 057
ENGINE CO. 67
Asset # : 13055

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	35%	Now	\$2,300	2028	\$23,000	5	\$1,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Embossed Metal	30%	0-2	\$2,100	LIFE	**	5	\$1,000	
<i>Deformed/Dented, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Plaster	35%			LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2023	\$5,300	5		
<i>Enclosure Corroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 200 Amperes</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2023	\$53,300	5	\$200	
Raceway								
Conduit	20%			2023	\$6,800	1		
Conduit	80%			2033	**	1		
Panelboards								
Molded Case Bkrs	80%			2022	\$33,600	5	\$100	
Molded Case Bkrs	20%			2022	\$8,400	5		
Wiring								
Braided Cloth	20%	0-2	\$6,100	2048	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement, 1st Floor, 2nd Floor</i>								
Thermoplastic	80%			2033	**	1		
Motor Controllers								
Locally Mounted	100%			2028	\$15,700	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Main</i>								

Stand-by Power

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 67
Asset # : 13055

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Transfer Switches								
Automatic	100%			2040	**	1	\$1,800	
Generators								
Diesel	100%			2036	**	1	\$2,300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Back Yard</i>								
<i>Explanation : Not Accessible - Rating Unavailable</i>								
Batteries								
Lead/Acid	100%			2019	\$1,600	5	\$200	
Fuel Storage								
Day Tank								
	20%			2045	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 171 Gallons</i>								
Main Tank								
	80%			2051	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 495 Gallons</i>								
Lighting								
Interior Lighting								
Fluorescent								
	78%			2023	\$13,600	10	\$4,200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent								
	20%			2019	\$3,500	10	\$1,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-12 Lamps</i>								
Incandescent								
	2%			2023	\$800	2		
Egress Lighting								
Exit, Service								
	50%			2023	\$400	1		
Exit, Battery								
	50%			2023	\$1,200	10	\$200	
Exterior Lighting								
HID								
	100%			2023	\$24,300	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Fuel Oil	100%			2043	**	5	\$1,800	
Conversion Equipment								
Steam Boiler								
	100%	Now	\$2,000	2028	\$39,000	1	\$5,300	
<i>Corroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Boiler Room</i>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 67
Asset # : 13055

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Distribution								
	Central Plant Steam Piping/Pmp	100%		2033	**	4	\$300	
Terminal Devices								
	Convactor/Radiator	100%		2028	\$32,300	1	\$1,900	
Air Conditioning								
Conversion Equipment								
	Window/Wall Unit	100%		2019	\$12,600	1		
Ventilation								
Distribution								
	Ductwork/Diffusers	100%		LIFE	**	2-5	\$3,300	
Exhaust Fans								
	Wall Unit	100%		2023	\$2,100	2	\$200	
Plumbing								
H/C Water Piping								
	Galvanized Steel	100%		2028	\$26,500	1		
Water Heater								
	Gas Fired	100%		2021	\$3,700	2	\$100	
Sanitary Piping								
	Cast Iron	100%	Now	\$4,400	LIFE	**	1	
<i>Leak Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Storm Drain Piping								
	Cast Iron	100%	Now	\$600	LIFE	**	1	
<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor, Basement</i>								
Sump Pump(s)								
	Non-Submersible	100%		2023	\$900	4	\$200	
Fixtures								
	Generic	100%						

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 68/LADDER CO. 49
Address : 1160 OGDEN AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.068 / 13056 **Yr Built/Renovated** : 1979 /
Area Sq Ft : 10,220 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-May-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2514 **Lot** : 56 **BIN** : 2003268

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$156,200	
Interior Architecture		\$6,500
Electrical		\$141,500
Total	\$156,200	\$147,900
Importance Code A	\$156,200	
Importance Code B		\$147,900
Total	\$156,200	\$147,900

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$22,300	\$1,900		
Interior Architecture	\$1,700	\$3,100		\$100
Electrical	\$800	\$2,600	\$800	\$2,800
Mechanical	\$2,300	\$1,300	\$2,300	\$50,100
Total	\$27,000	\$8,900	\$3,100	\$53,000
Importance Code A	\$22,900	\$2,400	\$500	\$500
Importance Code B	\$4,200	\$5,900	\$2,600	\$52,500
Importance Code C		\$700		
Total	\$27,000	\$8,900	\$3,100	\$53,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 68/LADDER CO. 49
Asset # : 13056

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Concrete Masonry Unit	80%	4+	\$77,000	LIFE	**	5	\$11,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 1%</i>								
<i>Location : At Overhead Doors And 2nd Floor Front</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	15%			LIFE	**	5	\$3,500	
Metal Sect. OHD	5%			2040	**	5	\$3,700	
Windows								
Aluminum	100%	2-4	\$9,800	2035	**	5	\$600	
<i>Air Infiltration, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Screens Missing Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Wire Glass At 1st Floor House Watch Room</i>								
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$2,400	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Street Facade</i>								
<i>Open Joints, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Street Facade</i>								
Concrete Masonry Unit	85%	Now	\$8,300	LIFE	**	5	\$1,800	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Roof Parapet</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Rear Facade</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Roof Parapet</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 25%</i>								
<i>Location : All Facades</i>								
Metal: Cage/Fence	5%	Now	\$1,900	2047	**	5	\$300	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Parapet Wall</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 68/LADDER CO. 49
Asset # : 13056

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Roof								
Asphalt Shingle	5%			2030	**	10	\$100	
Modified Bitumen	95%	Now	\$79,200	2037	**			
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : All Roofs</i>								
<i>Drains Inad/Misposn, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Lower Roof</i>								
<i>Ridging, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : At Parapet Cant Strip</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Roof Penetrations</i>								
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$13,400	
Ceramic Tile	15%			2040	**	5	\$2,300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Bathrooms, Shower Areas</i>								
Quarry Tile	5%			2040	**	5	\$1,100	
Vinyl Tile	5%	4+	\$100	2027	\$6,500	3	\$300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Sitting Area</i>								
Vinyl Tile	35%			2035	**	3	\$2,000	
Interior Walls								
Ceramic Tile	10%			2040	**	5	\$1,300	
Concrete Masonry Unit	30%			LIFE	**	5	\$1,600	
Gypsum Board	25%			LIFE	**	5	\$2,000	
SGFT/Glazed Masonry	35%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	20%			2044	**	5	\$3,100	
Exposed Concrete	75%			LIFE	**	5	\$1,800	
Gypsum Board	5%			LIFE	**	5	\$1,000	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2027	\$4,800	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Switch Rated @ 400 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2027	\$48,800	5	\$300	

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 68/LADDER CO. 49
Asset # : 13056

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Raceway								
	Conduit	70%			2027	\$21,900	1	
	Conduit	30%			2053	**	1	
Panelboards								
	Molded Case Bkrs	70%			2026	\$26,900	5	\$200
	Molded Case Bkrs	30%			2049	**	5	\$100
Wiring								
	Thermoplastic	70%			2027	\$19,400	1	
	Thermoplastic	30%			2053	**	1	
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$200
Stand-by Power								
Transfer Switches								
	Automatic	100%			2025	\$4,800	1	\$3,100
Generators								
	Diesel	100%			2023	\$65,700	1	\$4,000
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : 2nd Floor Heating Room</i>							
	<i>Explanation : Emergency Generator Rated @ 25kw</i>							
Batteries								
	Lead/Acid	100%			2020	\$1,500	5	\$400
Fuel Storage								
	Main Tank	100%			2030	**	5	\$300
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : 2nd Floor Mechanical Room</i>							
	<i>Explanation : 200 Gallons Rated Capacity</i>							
Lighting								
Interior Lighting								
	Fluorescent	65%			2035	**	10	\$6,100
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Throughout The Building</i>							
	<i>Explanation : T-8 Lamps And Motion Sensors In Use</i>							
	Fluorescent	5%			2022	\$1,400	10	\$500
	<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Bunker Room</i>							
	LED	30%			2035	**		
Egress Lighting								
	Emergency, Service	50%			2035	**	1	
	Exit, LED	50%			2062	**	1	
Exterior Lighting								
	HID	20%			2035	**	10	
	No Component	80%						

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FIRE DEPARTMENT - 057
ENGINE CO. 68/LADDER CO. 49
Asset # : 13056

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Electricity	20%			2037	**	1		
Natural Gas	80%			2037	**	1		
Conversion Equipment								
Heat Pump Air Sourced	20%			2031	**	2	\$600	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Roof</i>								
<i>Explanation : 3 Package Units</i>								
Hot Water Boiler	80%			2032	**	1	\$4,000	
<i>Other Observation, Extent : Light, Area Affected : 80%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Hot Wtr Piping/Pump	80%			2035	**	4	\$600	
No Component	20%							
Terminal Devices								
Convactor/Radiator	70%			2032	**	1	\$2,300	
Fan Coil Unit/Heat	20%			2035	**	1	\$700	
Unit Heater - Steam	10%			2027	\$3,400	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Heat Pump Air Sourced	20%			2031	**	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Roof</i>								
<i>Explanation : 3 Package Units. R-410a</i>								
Split Unit	10%			2022	\$20,400			
<i>R-22 Refrigerant, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1 Unit, Roof</i>								
Window/Wall Unit	30%			2022	\$6,000	1		
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2022	\$10,900	1	\$300	
Fan Coil - 4 Pipe	20%			2035	**	1	\$700	
No Component	70%							
Heat Rejection								
Dry Cooler	10%			2022	\$3,100	2	\$700	
Dry Cooler	20%			2035	**	2	\$1,400	
No Component	70%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,700	
Exhaust Fans								
Roof	100%			2032	**	2	\$300	
Plumbing								

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FIRE DEPARTMENT - 057
ENGINE CO. 68/LADDER CO. 49
Asset # : 13056

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
H/C Water Piping	Brass/Copper	100%			2037	**	1	
Water Heater	Gas Fired	100%			2022	\$5,800	2	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : 2 - 75 Gallon Units</i>								
Sanitary Piping	Cast Iron	50%			LIFE	**	1	
	Cast Iron	50%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Fixtures	Generic	100%						
Fire Suppression								
Sprinkler	No Component	90%						
	Generic	10%			2037	**	1-2	\$300
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1st And 2nd Floor</i>								
<i>Explanation : Serves Stairs</i>								
Chemical System	Wet	100%			2022	\$2,100	1-3	\$4,600
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Serves Cooking Area</i>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 69
Address : 248 WEST 143rd STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.069 / 13057 **Yr Built/Renovated** : 1904 / 1997
Area Sq Ft : 11,250 **Project Type** : FIRE DEPARTMENT
Date of Survey : 12-May-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2028 **Lot** : 51 **BIN** : 1075491

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$116,600
Interior Architecture	\$46,600	\$67,500
Electrical		\$26,900
Mechanical		\$190,500
Total	\$46,600	\$401,500
Importance Code A		\$116,600
Importance Code B	\$46,600	\$284,900
Total	\$46,600	\$401,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$25,800	\$7,900		\$15,400
Interior Architecture	\$43,600		\$1,100	\$2,300
Electrical	\$12,400	\$3,600	\$900	\$1,800
Mechanical	\$19,400	\$3,600	\$2,700	\$5,300
Total	\$101,200	\$15,100	\$4,700	\$24,800
Importance Code A	\$26,400	\$8,400	\$600	\$16,100
Importance Code B	\$64,900	\$6,600	\$3,000	\$8,700
Importance Code C	\$9,900		\$1,100	
Total	\$101,200	\$15,100	\$4,700	\$24,800



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FIRE DEPARTMENT - 057
ENGINE CO. 69
Asset # : 13057

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	72%			LIFE	**	5	\$27,900	
Masonry: Granite	10%			LIFE	**	5	\$2,900	
Metal Panel	3%			2037	**	5-10	\$8,000	
Metal Sect. OHD	5%			2040	**	5	\$6,100	
Stucco Cement	10%			2040	**	5	\$9,700	
Windows								
Aluminum	100%	Now	\$11,700	2026	\$116,600	5	\$1,400	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Parapets								
Copper/Terne	25%			2062	**	5	\$3,000	
Metal Panel	75%			2047	**	5	\$7,200	
Roof								
Asphalt Shingle	5%			2036	**	10	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Yard</i>								
<i>Explanation : Outdoor Kitchen Surround</i>								
Modified Bitumen	67%			2032	**	10	\$8,100	
Modified Bitumen	20%	Now	\$14,100	2037	**			
<i>Debris Present, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Lower Roof</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Lower Roof</i>								
Skylight, Metal/Glass	8%			2047	**	10	\$3,200	
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$17,400	
Quarry Tile	10%			2032	**	5	\$2,700	
Vinyl Tile	45%	2-4	\$13,500	2027	\$67,500	3	\$3,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd And 3rd Floors</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 3rd Floor Bunk Room</i>								
<i>Uneven Substrate, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd And 3rd Floors</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd And 3rd Floors</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 69
Asset # : 13057

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	10%			2036	**	5	\$2,200	
Gypsum Board	40%	4+	\$3,700	LIFE	**	5	\$5,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Stairwell</i>								
Masonry: Brick	15%			LIFE	**			
Plaster	35%	Now	\$6,200	LIFE	**	5	\$2,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement Stair</i>								
Ceilings								
AcousTileSusp.Lay-In	50%	0-2	\$14,300	2032	**	5	\$4,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd And 3rd Floors</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd And 3rd Floors</i>								
Exposed Struc: Steel	25%	Now	\$46,600	LIFE	**			
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Sidewalk And Rear Addition Vaults</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Sidewalk And Rear Addition Vaults</i>								
<i>Other Observation, Extent : Light, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Material Actually Metal Decking</i>								
Plaster	25%	0-2	\$5,800	LIFE	**	5	\$2,800	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Apparatus Room and Kitchen</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2037	**	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated @ 600 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2037	**	5	\$300	
Raceway								
Conduit	30%			2037	**	1		
Conduit	70%			2027	\$21,900	1		
Panelboards								
Fused Disc Sw	5%			2035	**	5		
Molded Case Bkrs	25%			2035	**	5	\$100	
Molded Case Bkrs	70%			2026	\$26,900	5	\$200	

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FIRE DEPARTMENT - 057
ENGINE CO. 69
Asset # : 13057

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Wiring								
Thermoplastic	100%			2037	**	1		
Motor Controllers								
Locally Mounted	100%			2032	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%	2-4	\$9,500	LIFE	**	5	\$200	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Corroded</i>						
Stand-by Power								
Transfer Switches								
Automatic	100%			2032	**	1	\$3,500	
Generators								
Diesel	100%			2030	**	1	\$4,400	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : Emergency Generator Rated @ 62kw</i>						
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$400	
Fuel Storage								
Day Tank	100%			2035	**	5	\$2,100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 50 Gallons Rated Capacity</i>						
Lighting								
Interior Lighting								
Fluorescent	93%			2027	\$28,300	10	\$9,600	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Fluorescent	1%			2027	\$300	10	\$100	
		<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
Fluorescent	5%	Now	\$1,500	2037	**			
		<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Incandescent	1%			2022	\$700	2		
Egress Lighting								
Emergency, Service	50%			2027	\$2,800	1		
Exit, Service	50%	Now	\$600	2037	**	1		
		<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Exterior Lighting								
HID	20%			2027	\$8,500	10		
No Component	80%							

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FIRE DEPARTMENT - 057
ENGINE CO. 69
Asset # : 13057

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Plant Campus Steam / PRV	70%	Now		2037	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Basement</i>								
<i>Explanation : Steam Comes From Adjacent Building (Police Station). Insulation Insufficient</i>								
Natural Gas	30%			2037	**	1		
Conversion Equipment								
Furnace	30%			2027	\$7,400	1	\$1,700	
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : Roof</i>								
<i>Explanation : 4 Roof Top Gas Fired Heating / Cooling Units</i>								
Heat Exchanger, Plate & Frame	70%			2030	**	1	\$3,900	
<i>Other Observation, Extent : Light, Area Affected : 70%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Central Plant Steam Piping/Pmp	70%	Now	\$6,200	2027	\$124,600	4	\$400	
<i>Malfunctioning, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Temperature Control</i>								
No Component	30%							
Terminal Devices								
Convactor/Radiator	30%			2032	**	1	\$1,100	
Unit Heater - Steam	40%			2027	\$15,000	4	\$600	
No Component	30%							
Air Conditioning								
Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	50%	Now	\$3,300	2027	\$65,900	2	\$300	
<i>Noisy/Vibrating, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Roof</i>								
<i>R-22 Refrigerant, Extent : Light, Area Affected : 50%</i>								
<i>Location : 4 Units. Roof</i>								
Window/Wall Unit	10%			2022	\$2,200	1		
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$3,100	
No Component	50%							

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FIRE DEPARTMENT - 057
ENGINE CO. 69
Asset # : 13057

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
Exhaust Fans								
	Roof	55%			2027	\$9,600	2	\$200
	Wall Unit	25%	Now	\$100	2027	\$900	2	\$100
<i>Malfunctioning, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 1st Floor Operational Area</i>								
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Air Ventilation Is Poor In 1st Floor Recommending More Wall Units</i>								
	No Component	20%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%	0-2	\$7,800	2037	**	1	
<i>Booster Pump w/Tank, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Corroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
Water Heater								
	Electric	100%			2025	\$9,300	4	\$100
HW Heat Exchanger								
	Steam Fired	100%			2037	**	4	\$1,100
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Non-Submersible	100%			2022	\$1,600	4	\$200
Fixtures								
	Generic	100%						
Fire Suppression								
Sprinkler								
	Generic	100%			2053	**	1-2	\$3,200
Fire Pump								
	Generic	100%	Now	\$300	2030	**	1	\$1,900
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : And Leaking. Basement</i>								
Chemical System								
	Generic	100%			2020	\$1,900	1-3	\$3,700
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set</i>								

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 7
Address : 100 DUANE STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.007 / 13006 **Yr Built/Renovated** : 1905 / 2002
Area Sq Ft : 18,890 **Project Type** : FIRE DEPARTMENT
Date of Survey : 15-Jun-2015 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 150 **Lot** : 25 **BIN** : 1001647

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$322,000	
Interior Architecture	\$59,600	
Electrical		\$80,800
Mechanical		\$492,700
Total	\$381,600	\$573,500
Importance Code A	\$322,000	\$124,900
Importance Code B	\$59,600	\$448,700
Total	\$381,600	\$573,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$37,700			\$1,600
Interior Architecture	\$119,100	\$1,700		\$900
Electrical	\$27,800	\$1,100	\$5,300	\$1,500
Mechanical	\$2,700	\$2,600	\$8,600	\$3,000
Total	\$187,200	\$5,300	\$13,900	\$6,900
Importance Code A	\$39,600	\$1,900	\$1,900	\$3,400
Importance Code B	\$81,900	\$2,500	\$12,000	\$3,500
Importance Code C	\$65,700	\$1,000		
Total	\$187,200	\$5,300	\$13,900	\$6,900



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FIRE DEPARTMENT - 057
ENGINE CO. 7
Asset # : 13006

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$204,900	LIFE	**	5	\$31,100	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Wall</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Wall</i>								
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Rear Wall</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Wall</i>								
Masonry: Granite	5%			LIFE	**	5	\$1,700	
Masonry: Limestone	10%	4+	\$58,800	LIFE	**	5	\$3,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Wall</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : Front Wall</i>								
Metal Sect. OHD	10%			2039	**	5	\$13,900	
Stucco Cement	5%			2039	**	5	\$5,600	
Windows								
Aluminum	100%			2042	**	5	\$3,100	
Parapets								
Masonry: Brick	85%	2-4	\$8,400	LIFE	**	5	\$2,700	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout.</i>								
Masonry: Limestone	15%	0-2	\$4,000	LIFE	**	5	\$600	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Roof</i>								
Roof								
Modified Bitumen	95%	Now	\$58,300	2031	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations</i>								
<i>Debris Present, Extent : Light, Area Affected : 5%</i>								
<i>Location : At Drains</i>								
<i>Drains Clogged, Extent : Light, Area Affected : 2%</i>								
<i>Location : Over Kitchen Roof.</i>								
<i>Ponding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Drain And Exhaust Fan</i>								
Skylight, Metal/Glass	5%	0-2	\$15,600	2046	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Middle Of 2 Skylights</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Hose Tower</i>								

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 7
Asset # : 13006

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	35%			LIFE	**	5	\$21,600	
Ceramic Tile	5%			2035	**	5	\$1,400	
Quarry Tile	5%			2039	**	5	\$2,100	
Vinyl Tile	25%	Now	\$19,700	2031	**	3	\$2,700	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Uneven Surface, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout - Primarily 3rd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Various Locations Throughout</i>								
Wood	30%	0-2	\$30,500	2041	**	5	\$8,000	
<i>Deteriorated Finish, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Bunk Room.</i>								
<i>Recent Replace Evident, Extent : Light, Area Affected : 50%</i>								
<i>Location : Battalion Chief Side And Offices</i>								
Interior Walls								
Ceramic Tile	5%			2035	**	5	\$1,900	
Concrete Masonry Unit	5%			LIFE	**	5	\$800	
Gypsum Board	20%			LIFE	**	5	\$4,700	
Masonry: Brick	15%	Now	\$24,800	LIFE	**			
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
Plaster	30%	Now	\$20,400	LIFE	**	5	\$3,500	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor, Front Wall</i>								
SGFT/Glazed Masonry	25%	Now	\$20,500	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor.</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
Ceilings								
AcousTileSusp.Lay-In	15%			2039	**	5	\$4,200	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Various Locations Throughout</i>								
Embossed Metal	55%	0-2	\$59,600	LIFE	**	5	\$7,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Plaster	30%			LIFE	**	5	\$5,300	

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FIRE DEPARTMENT - 057
ENGINE CO. 7
Asset # : 13006

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
	Service Equipment							
	Fused Disc Sw	100%			2036	**	5	\$100
				<i>Enclosure Corroded, Extent : Severe, Area Affected : 30%</i>				
				<i>Location : Basement</i>				
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : 400 Amperes</i>				
<hr/>								
	Raceway							
	Conduit	80%			2026	\$27,300	1	
	Conduit	20%			2036	**	1	
				<i>Recent Installation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
<hr/>								
	Panelboards							
	Molded Case Bkrs	75%			2042	**	5	\$400
	Molded Case Bkrs	25%			2034	**	5	\$100
				<i>Recent Installation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
<hr/>								
	Wiring							
	Braided Cloth	20%	2-4	\$6,100	2051	**	1	
				<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Throughout</i>				
	Thermoplastic	60%			2036	**	1	
	Thermoplastic	20%			2036	**	1	
				<i>Recent Installation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
<hr/>								
	Motor Controllers							
	Locally Mounted	100%			2031	**	5	\$100
<hr/>								
	Ground							
	Grounding Devices							
	Metal Water Pipe	100%	0-2	\$10,400	2046	**	5	\$300
				<i>Corroded, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
<hr/>								
	Stand-by Power							
	Transfer Switches							
	Automatic	100%			2039	**	1	\$5,800
				<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : Used For Portable Generator.</i>				
<hr/>								
	Lighting							

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FIRE DEPARTMENT - 057
ENGINE CO. 7
Asset # : 13006

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	75%			2026	\$41,900	10	\$13,000	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fluorescent	20%			2031	**	10	\$3,500	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
HID	5%			2026	\$1,000	10		
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Apparatus Room</i>								
Egress Lighting								
Emergency, Battery	10%			2031	**	10	\$500	
<i>Recent Installation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 3rd Floor</i>								
Exit, Service	80%			2031	**	1		
Exit, Battery	10%			2031	**	10	\$100	
<i>Recent Installation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 3rd Floor</i>								
Exterior Lighting								
HID	50%			2026	\$38,900	10		
No Component	50%							
Alarm								
Fire/Smoke Detection No Component	50%							
Generic, Analog	50%	Now	\$10,700	2036	**	1-3	\$5,300	
<i>Devices Missing, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2046	**	1		
Conversion Equipment Steam Boiler	100%			2024	\$124,900	1	\$18,700	
Distribution Central Plant Steam Piping/Pmp	100%			2026	\$326,600	4	\$900	
Terminal Devices Convactor/Radiator	100%			2031	**	1	\$6,100	
Air Conditioning								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 7
Asset # : 13006

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Energy Source								
	Electricity	100%			2042	**	1	
Conversion Equipment								
	Split Unit	10%			2026	\$41,200		
	Window/Wall Unit	40%			2024	\$16,100	1	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st, 2nd And 3rd Floors</i>								
<i>Explanation : 30 Percent New; 70 Percent Old</i>								
	No Component	50%						
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2	\$24,600
<i>Abandoned in Place, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
Heat Rejection								
	No Component	90%						
	No Component	10%						
Ventilation								
Exhaust Fans								
	Roof	5%			2026	\$1,600	2	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Kitchen Exhaust</i>								
	No Component	95%						
Plumbing								
H/C Water Piping								
	Galvanized Steel	100%			2031	**	1	
Water Heater								
	Gas Fired	100%			2024	\$11,800	2	\$300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 74 Gallon Units</i>								
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
<i>Corroded, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Sump Pump(s)								
	Non-Submersible	100%			2031	**	4	\$600
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Duplex Unit</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 7
Asset # : 13006

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Backflow Preventer							
	No Component	90%						
	Generic	10%			2034	**	1	\$100
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Boiler Room</i>						
		<i>Explanation : At Boiler Only</i>						
<hr/>								
	Fixtures							
	Generic	100%						
<hr/>								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 70 / LADDER CO. 53
Address : 169 SCHOFIELD STREET
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.070 / 13058 **Yr Built/Renovated** : 1939 /
Area Sq Ft : 6,912 **Project Type** : FIRE DEPARTMENT
Date of Survey : 09-Apr-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5642 **Lot** : 118 **BIN** : 2082474

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$74,900	
Interior Architecture	\$54,000	\$35,300
Electrical	\$30,800	\$48,800
Mechanical		\$48,200
Total	\$159,700	\$132,300
Importance Code A	\$74,900	
Importance Code B	\$84,800	\$132,300
Total	\$159,700	\$132,300

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$4,400		\$5,900	\$2,000
Interior Architecture	\$44,900	\$500	\$400	\$500
Electrical	\$39,000		\$14,400	\$100
Mechanical	\$15,900	\$1,200	\$3,900	\$1,200
Total	\$104,200	\$1,700	\$24,600	\$3,700
Importance Code A	\$5,100	\$700	\$6,600	\$2,600
Importance Code B	\$99,100	\$1,000	\$18,000	\$800
Importance Code C				\$200
Total	\$104,200	\$1,700	\$24,600	\$3,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 70 / LADDER CO. 53
Asset # : 13058

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	82%			LIFE	**	5	\$19,400	
Masonry: Granite	3%			LIFE	**	5	\$500	
Masonry: Limestone	5%			LIFE	**	5	\$900	
Wood Overhead Doors	10%			2021	\$74,900	5	\$11,900	
<i>Paint Peeling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Overhead Doors</i>								
Windows								
Aluminum	100%	Now	\$4,400	2031	**	5	\$1,100	
<i>Weather Strip Missing, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Roof								
Asphalt Shingle	100%			2032	**	10	\$2,000	
Interior								
Floors								
Cast in Place Concrete	50%	2-4	\$54,000	LIFE	**	5	\$11,400	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Apparatus Room</i>								
<i>Explanation : Steel Columns In Basement Are Shoring Up Apparatus Room Floor</i>								
Ceramic Tile	5%			2032	**	5	\$500	
Quarry Tile	5%			2036	**	5	\$800	
Vinyl Tile	40%			2023	\$35,300	3	\$1,600	
Interior Walls								
Cast in Place Concrete	20%			LIFE	**			
Ceramic Tile	3%			2032	**	5	\$400	
Marble Panels	2%			LIFE	**			
Plaster	50%			LIFE	**	5	\$2,100	
SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	5%	Now	\$1,300	2040	**	5	\$300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 40%</i>								
<i>Location : 2nd Floor Office</i>								
Exposed Concrete	20%	2-4	\$33,400	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Plaster	75%	0-2	\$10,200	LIFE	**	5	\$4,900	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Locker Room And Hallway</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Dormitory And Apparatus Room</i>								
<i>Spalling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Ceiling</i>								
Site Enclosure								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 70 / LADDER CO. 53
Asset # : 13058

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Enclosure

Fence/Gates

Chain link

100%

2033

* *

Retaining Walls

Cast in Place Concrete

100%

2043

* *

*Cracking/Crumbling, Extent : Light, Area Affected : 5%**Location : 3 Foot High Retaining Wall Has Minor Vertical Cracks At Several Locations*

Site Pavements

On-Site Walkways

Cast in Place Concrete

100%

2036

* *

Parking/Driveway

Cast in Place Concrete

100%

2036

* *

*Cracking/Crumbling, Extent : Light, Area Affected : 3%**Location : Throughout*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Molded Case Bkrs

100%

2023

\$4,800

5

\$200

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement, Main Electrical Area**Explanation : 200 Amperes Circuit Breaker In Main Distribution Panel*

Switchgear / Switchboard

Molded Case Bkrs

100%

2023

\$48,800

5

\$200

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement, Main Electrical Area**Explanation : Showing Wear Due To Regular Usage*

Raceway

Conduit

75%

2033

* *

1

Conduit

25%

Now

\$7,800

2053

* *

1

*Other Observation, Extent : Severe, Area Affected : 100%**Location : Basement**Explanation : Ground Conductor Conduits And Communication Cables Conduits Are Rusted And Damaged*

Panelboards

Molded Case Bkrs

75%

2022

\$28,900

5

\$100

Molded Case Bkrs

20%

2045

* *

5

Molded Case Bkrs

5%

Now

\$400

2022

\$1,900

5

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Basement, Main Electrical Area**Explanation : One Panel Trim Is Missing*

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** Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057
ENGINE CO. 70 / LADDER CO. 53
Asset # : 13058**

Electrical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Wiring								
Braided Cloth	70%	0-2	\$19,400	2048	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	20%			2033	**	1		
Thermoplastic	10%			2049	**	1		
Motor Controllers								
Locally Mounted	100%			2021	\$14,400	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor - Roll Up Gate</i>								
<i>Explanation : Showing Wear Due To Regular Usage</i>								
Ground								
Grounding Devices								
Generic	100%	0-2	\$9,500	LIFE	**	5	\$100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement, Main Water Service</i>								
<i>Explanation : Ground Conductors Terminations And Conduits Are Rusted</i>								
Lighting								
Interior Lighting								
Fluorescent	28%			2023	\$5,200	10	\$1,800	
<i>Inadequate Lighting Level, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fluorescent	60%			2028	\$11,200	10	\$3,800	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fluorescent	10%	Now	\$1,900	2033	**			
<i>Damaged Fixtures, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Inadequate Lighting Level, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Lighting Fixtures Are Rusted.</i>								
Incandescent	2%			2023	\$900	2		
Exterior Lighting								
HID	100%			2028	\$26,100	10		

Mechanical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Heating

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FIRE DEPARTMENT - 057
ENGINE CO. 70 / LADDER CO. 53
Asset # : 13058

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Steam Boiler	100%			2036	**	1	\$6,900	
Distribution								
Central Plant Steam Piping/Pmp	100%			2033	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2028	\$34,600	1	\$2,200	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Window/Wall Unit	80%			2019	\$10,800	1		
No Component	20%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2023	\$48,200	1		
Water Heater								
Gas Fired	100%			2019	\$3,900	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 74 Gallon Units</i>								
Sanitary Piping								
Cast Iron	75%			LIFE	**	1		
Cast Iron	25%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	100%			2021	\$2,100	1-3	\$4,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Serves Cooking Area</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 71/LADDER CO. 55/ DIVISION 6
Address : 720 MELROSE AVE.
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.071 / 13059 **Yr Built/Renovated** : 1975 / 1988
Area Sq Ft : 11,651 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-May-2016 **Landmark Status** : NONE
Areas Surveyed : Floors x
Block : 2377 **Lot** : 1 **BIN** : 2001400

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$72,300	\$72,300
Interior Architecture	\$36,000	
Electrical		\$3,800
Mechanical		\$84,000
Total	\$108,300	\$160,100
Importance Code A	\$72,300	\$156,300
Importance Code B		\$3,800
Importance Code C	\$36,000	
Total	\$108,300	\$160,100

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$35,200	\$1,500		
Interior Architecture	\$36,600	\$1,900	\$300	\$700
Electrical	\$800	\$2,700	\$1,400	\$1,200
Mechanical	\$10,000	\$1,200	\$1,700	\$23,400
Total	\$82,600	\$7,300	\$3,400	\$25,200
Importance Code A	\$35,800	\$2,100	\$600	\$700
Importance Code B	\$46,800	\$4,600	\$2,800	\$24,500
Importance Code C		\$600		
Total	\$82,600	\$7,300	\$3,400	\$25,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 71/LADDER CO. 55/ DIVISION 6
Asset # : 13059

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick Cavity	10%	Now	\$19,700	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : At Sides Of Overhead Doors And Side Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : All Facades</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Sides Of Overhead Doors And Side Facade</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Window Openings Throughout</i>								
Masonry: Brick Cavity	80%	4+	\$52,600	LIFE	**	5	\$14,100	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Perimeter Walls</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Perimeter Walls</i>								
Wood Overhead Doors	10%	0-2	\$11,100	2032	**	5	\$4,400	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	95%	Now	\$8,600	2035	**	5	\$2,100	
<i>Condensation Present, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : House Watch Window</i>								
Metal Louvers	5%			2030	**	10	\$1,400	
Parapets								
Masonry: Brick Cavity	30%			LIFE	**	5	\$600	
Metal Panel	70%	0-2	\$5,500	2037	**	5	\$2,800	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Metal Coping- Caulk Joints Failing Throughout</i>								
Roof								
Asphalt Shingle	5%			2030	**	10	\$200	
Built-Up (BUR)	70%	0-2	\$3,600	2027	\$72,300			
<i>Debris on Roof, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Grvl/Blst Miss/Disp, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Center Section Of Flat Roof</i>								
Metal Panel	25%	2-4	\$6,400	2032	**			
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Cap Joints At Metal Panels</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 71/LADDER CO. 55/ DIVISION 6
Asset # : 13059

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	25%			LIFE	**	5	\$9,500	
Cast in Place Concrete	20%	Now	\$7,200	LIFE	**	5	\$7,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Cellar</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Communications Room In Cellar And Apparatus Room</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Due To Ground Water Backup Through Floor Drains</i>								
<i>Explanation : Water Damage In Basement</i>								
Ceramic Tile	5%			2030	**	5	\$900	
Sheet Vinyl/Rubber	5%			2032	**	5	\$1,300	
Vinyl Tile	15%			2027		3	\$22,200	
Under Construction	30%						\$1,000	
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Area Under Construction</i>								
Interior Walls								
Ceramic Tile	5%			2030	**	5	\$1,200	
Concrete Masonry Unit	35%	Now	\$36,000	LIFE	**	5	\$3,200	
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement Walls - Ground Water Penetration</i>								
Gypsum Board	2%			LIFE	**	5	\$300	
SGFT/Glazed Masonry	28%			LIFE	**			
Under Construction	30%							
Ceilings								
AcousTileSusp.Lay-In	10%			2040	**	5	\$1,700	
Exposed Struc: Steel	40%	Now	\$29,300	LIFE	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Apparatus Room</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Metal Decking</i>								
Gypsum Board	20%			LIFE	**	5	\$4,400	
Under Construction	30%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Under Construction</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 71/LADDER CO. 55/ DIVISION 6
Asset # : 13059

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
	Service Equipment							
	Molded Case Bkrs	100%			2037	**	5	\$300
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Electrical Room</i>					
			<i>Explanation : Main Service Switch Rated @ 600 Amperes.</i>					
	Switchgear / Switchboard							
	Molded Case Bkrs	100%			2037	**	5	\$300
	Raceway							
	Conduit	100%			2037	**	1	
	Panelboards							
	Fused Disc Sw	2%			2035	**	5	
	Molded Case Bkrs	88%			2035	**	5	\$300
	Molded Case Bkrs	10%			2026	\$3,800	5	
			<i>Covers Missing, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Boiler Room</i>					
	Wiring							
	Thermoplastic	100%			2037	**	1	
	Motor Controllers							
	Locally Mounted	100%			2025	\$14,400	5	\$100
Ground								
	Grounding Devices							
	Generic	100%			LIFE	**	5	\$200
Stand-by Power								
	Transfer Switches							
	Automatic	100%			2032	**	1	\$3,600
	Generators							
	Diesel	100%			2030	**	1	\$4,500
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Basement / Rear</i>					
			<i>Explanation : Emergency Generator Rated @ 50kw</i>					
	Batteries							
	Lead/Acid	100%			2020	\$1,500	5	\$400
	Fuel Storage							
	Day Tank	50%			2026	\$400	5	\$1,100
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Generator Room</i>					
			<i>Explanation : 25 Gallons Rated Capacity</i>					
	Main Tank	50%			2042	**	5	\$200
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Underground</i>					
			<i>Explanation : 600 Gallons Rated Capacity</i>					

Lighting

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 71/LADDER CO. 55/ DIVISION 6
Asset # : 13059

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting								
Fluorescent	95%			2027	\$30,000	10	\$10,200	
	<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
Fluorescent	5%			2027	\$1,600	10	\$500	
	<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Hallways</i>							
Egress Lighting								
Emergency, Service	50%			2027	\$2,900	1		
Exit, Service	50%			2027	\$600	1		
Exterior Lighting								
HID	20%			2027	\$8,800	10		
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2037	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2025	\$84,000	1	\$5,800	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 3 Units</i>							
Distribution								
Hot Wtr Piping/Pump	100%			2035	**	4	\$900	
Terminal Devices								
Convactor/Radiator	50%			2025	\$29,200	1	\$1,900	
Unit Heater - Steam	50%			2022	\$19,500	4	\$500	
Air Conditioning								
Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Window/Wall Unit	40%			2025	\$9,100	1		
No Component	60%							
Ventilation								
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$3,200	
No Component	50%							
Exhaust Fans								
Roof	50%			2027	\$9,000	2	\$200	
Wall Unit	50%			2027	\$1,900	2	\$200	

Plumbing

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 71/LADDER CO. 55/ DIVISION 6
Asset # : 13059

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
H/C Water Piping	Brass/Copper	100%	Now	\$4,100	2037	**	1	
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Water Main Valve, Basement</i>								
Water Heater	Gas Fired	100%			2025	\$6,600	2	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 74 Gallon Units</i>								
Sanitary Piping	Cast Iron	100%	Now	\$4,000	LIFE	**	1	
<i>Blockage /Clogged, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement At Melrose Avenue Side</i>								
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)	Non-Submersible	100%			2032	**	4	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Duplex Unit</i>								
Fixtures								
	Generic	100%						
Fire Suppression								
Sprinkler	No Component	85%						
	Generic	15%			2027	\$16,000	1-2	\$500
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement And 2nd Floor</i>								
<i>Explanation : Serves Partial Basement And 2nd Floor Corridor</i>								
Chemical System	Wet	100%			2022	\$2,100	1-3	\$4,600
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Serves Cooking Area</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 72
Address : 3929 EAST TREMONT AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.072 / 13060 **Yr Built/Renovated** : 1972 /
Area Sq Ft : 7,574 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-Apr-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5443 **Lot** : 170 **BIN** : 2077258

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$165,600	\$70,800
Total	\$165,600	\$70,800
Importance Code A	\$165,600	\$70,800
Total	\$165,600	\$70,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$41,500	\$1,600		
Interior Architecture	\$4,900	\$500	\$3,800	
Electrical	\$8,900	\$500	\$5,700	\$500
Mechanical	\$11,900	\$1,100	\$1,700	\$1,100
Total	\$67,200	\$3,700	\$11,200	\$1,600
Importance Code A	\$42,600	\$2,000	\$400	\$400
Importance Code B	\$19,700	\$1,700	\$10,500	\$1,200
Importance Code C	\$4,900		\$400	
Total	\$67,200	\$3,700	\$11,200	\$1,600



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 72
Asset # : 13060

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	10%	4+	\$2,300	LIFE	**	5	\$10,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 3%</i>								
<i>Location : 2nd Floor Court</i>								
Masonry: Brick	85%	Now	\$106,600	LIFE	**	5	\$17,700	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Loose Units, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Vertical Cracks, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Metal Sect. OHD	5%			2040	**	5	\$3,300	
Windows								
Aluminum	100%	Now	\$25,000	2031	**	5	\$1,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Screens Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 1st Floor Side And Rear, 2nd Floor Dormitory And Court</i>								
Parapets								
Metal Panel	60%			2033	**	5	\$7,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Roof</i>								
<i>Explanation : Metal Coping</i>								
Metal Rail	40%			2028	\$34,000	5-10	\$23,100	
Roof								
Modified Bitumen	95%	0-2	\$14,200	2023	\$70,800			
<i>Blisters, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Main Roof</i>								
<i>Drains Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Roof</i>								
<i>Ponding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Roof</i>								
Skylight, Plastic	5%			2021	\$59,000	1		
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	**	5	\$15,800	
Ceramic Tile	5%			2026	\$11,700	5	\$600	
Quarry Tile	2%			2028	\$6,900	5	\$400	
Vinyl Tile	33%			2023	\$33,700	3	\$1,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : 9 X 9 Tiles</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 72
Asset # : 13060

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Interior Walls

Cast in Place Concrete	10%	4+	\$4,900	LIFE	**			
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*Water Penetration, Extent : Severe, Area Affected : 2%**Location : Front Of Cellar*

Ceramic Tile	5%			2026	\$21,400	5	\$800	
Concrete Masonry Unit	60%			LIFE	**	5	\$3,700	
Gypsum Board	5%			LIFE	**	5	\$500	
SGFT/Glazed Masonry	20%			LIFE	**			

Ceilings

AcousTileSusp.Lay-In	3%			2021	\$2,900	5	\$400	
Exposed Concrete	87%			LIFE	**	5	\$1,600	
Plaster	10%			LIFE	**	5	\$800	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2033	**	5	\$200	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 400 Amp*

Raceway

Conduit	100%			2033	**	1		
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Panelboards

Molded Case Bkrs	100%			2031	**	5	\$200	
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Wiring

Thermoplastic	100%			2033	**	1		
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Motor Controllers

Locally Mounted	100%			2028	\$14,400	5	\$100	
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Stand-by Power

Transfer Switches

Automatic	100%			2036	**	1	\$2,300	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 400 Amp, 3 Pole*

Generators

Diesel	100%			2032	**	1	\$2,900	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Backyard**Explanation : 40 Kw, 50 Kva, 3 Phase, 208/120 V*

Batteries

Nickel Cadmium	100%			2019	\$1,500	5	\$1,700	
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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 72
Asset # : 13060

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power Fuel Storage Day Tank	10%			2039	**	5	\$100	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Under Enclosure Backyard</i>							
	<i>Explanation : 50 Gallon Sub-Base Diesel Fuel</i>							
Main Tank	90%			2038	**	5	\$200	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 550 Gallon Diesel Fuel</i>							
Lighting								
Interior Lighting Fluorescent	12%	Now	\$2,500	2033	**			
	<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Other Observation, Extent : Severe, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Burnt Out</i>							
Fluorescent	15%	Now	\$3,100	2033	**			
	<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : 1st And 2nd Floor</i>							
	<i>Other Observation, Extent : Severe, Area Affected : 100%</i>							
	<i>Location : 1st And 2nd Floor</i>							
	<i>Explanation : Burnt Out</i>							
Fluorescent	18%			2031	**	10	\$1,300	
	<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
Fluorescent	55%			2031	**	10	\$3,800	
	<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : 1st And 2nd Floor</i>							
Egress Lighting Emergency, Service	100%			2023			\$3,700	1
Exterior Lighting								
HID	100%	Now	\$400	2033	**			
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Facade And Side Parking Lot</i>							
	<i>Explanation : Wall Mounted, Controlled Via Time Clock</i>							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2043	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 72
Asset # : 13060

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment Hot Water Boiler	100%	Now	\$1,100	2036	**	1	\$3,400	
<i>Other Observation, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : Basement</i>								
<i>Explanation : Slight Drip From Pressure Relief Valve</i>								
Distribution Hot Wtr Piping/Pump	100%			2031	**	4	\$600	
Terminal Devices Convactor/Radiator	90%			2028	\$34,100	1	\$2,200	
Unit Heater - Steam	10%			2023	\$2,500	4	\$100	
Air Conditioning								
Energy Source Electricity	100%			2039	**	1		
Conversion Equipment Exterior Pkg Unit - Cooling	40%			2023	\$22,900	2	\$200	
<i>Abandoned in Place, Extent : Light, Area Affected : 30%</i>								
<i>Location : 1 Unit On Roof</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor And Roof</i>								
<i>Explanation : Split Units Serve Members Room And Part Of 2nd Floor</i>								
Window/Wall Unit	40%			2019	\$5,900	1		
No Component	20%							
Distribution Ductwork/Diffusers	20%			LIFE	**	2	\$2,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Serves Bunk Room</i>								
No Component	80%							
Terminal Devices Air Handler/Dir Expansion	20%			2023	\$12,700	1		
No Component	80%							
Heat Rejection Dry Cooler	40%			2028	\$12,300	2	\$2,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor And Roof</i>								
<i>Explanation : 2 - Split Units / 1 - R - 22, 1 - R - 410 A</i>								
No Component	60%							
Ventilation								
Distribution Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,200	
Exhaust Fans Roof	100%			2028	\$11,800	2	\$200	
Plumbing								
H/C Water Piping Brass/Copper	100%			2033	**	1		

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 72
Asset # : 13060

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing	Water Heater Gas Fired	100%			2019	\$4,300	2	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 1 - 75 Gallon Unit</i>					
Sanitary Piping	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)	Non-Submersible	100%			2023	\$1,100	4	\$200
Backflow Preventer	No Component Generic	95% 5%			2028	\$100	1	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Serves Boiler Only</i>					
Fixtures	Generic	100%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 73/LADDER CO. 42
Address : 655 PROSPECT AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.073 / 13061 **Yr Built/Renovated** : 1900 / 2001
Area Sq Ft : 15,170 **Project Type** : FIRE DEPARTMENT
Date of Survey : 23-Jun-2015 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2675 **Lot** : 33 **BIN** : 2094318

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$89,400	\$14,700
Electrical		\$96,200
Mechanical	\$159,800	\$42,500
Total	\$249,300	\$153,500
Importance Code A	\$89,400	\$14,700
Importance Code B	\$159,800	\$138,700
Total	\$249,300	\$153,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$15,100			\$1,800
Interior Architecture	\$8,800	\$1,700	\$6,500	
Electrical	\$16,900	\$1,100	\$3,000	\$1,200
Mechanical	\$17,400	\$1,800	\$24,600	\$2,200
Site Enclosure	\$500			
Site Pavements	\$16,300			
Total	\$75,100	\$4,600	\$34,200	\$5,100
Importance Code A	\$15,900	\$800	\$17,500	\$2,500
Importance Code B	\$34,500	\$3,200	\$16,700	\$2,600
Importance Code C	\$24,800	\$700		
Total	\$75,100	\$4,600	\$34,200	\$5,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 73/LADDER CO. 42
Asset # : 13061

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$37,800	LIFE	**	5	\$25,100	
<i>Expansion Jnt Failure, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Between E73 And L42</i>								
Masonry: Granite	5%	Now	\$9,900	LIFE	**	5	\$1,300	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Front Facade.</i>								
Masonry: Limestone	10%			LIFE	**	5	\$2,500	
Metal Sect. OHD	10%			2039	**	5	\$10,500	
Windows								
Aluminum	100%			2042	**	5	\$3,500	
Parapets								
Masonry: Brick	90%			LIFE	**	5	\$2,800	
Masonry: Limestone	10%			LIFE	**	5	\$400	
<i>Loose Units, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : At Roof Ladder</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Parapet</i>								
<i>Explanation : Roof Ladder Causing Damage To Coping Stone</i>								
Roof								
Asphalt Shingle	10%			2035	**	10	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Addition Behind Building</i>								
<i>Explanation : Additional Storage Building On Property</i>								
Modified Bitumen	70%	Now	\$51,600	2036	**			
<i>Drains Clogged, Extent : Light, Area Affected : 2%</i>								
<i>Location : Both Roof Drains Need To Be Cleaned.</i>								
<i>Drains Inad/Misposn, Extent : Light, Area Affected : 5%</i>								
<i>Location : Roof Above 2nd Floor Bathroom.</i>								
<i>Ponding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Upper And Lower Roof</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Upper Roof At Hvac Curb</i>								
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Upper Roof At Hvac Curb</i>								
<i>Explanation : Large Amount Of Water Trapped Below Roofing. Roof Is Bubbling</i>								
Modified Bitumen	20%			2026	\$14,700	10	\$2,500	
Interior								

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 73/LADDER CO. 42
Asset # : 13061

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$19,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Gymnasium</i>								
Ceramic Tile	5%			2035	**	5	\$1,100	
Linoleum	5%			2027	\$10,900	3	\$400	
Quarry Tile	5%			2039	**	5	\$1,700	
<i>Worn/Eroded, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	15%			2026	\$28,900	3	\$1,300	
Wood	30%			2061	**	5	\$12,800	
<i>Deteriorated Finish, Extent : Light, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2035	**	5	\$1,300	
Gypsum Board	25%	Now	\$600	LIFE	**	5	\$4,000	
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Second Floor Locker Room</i>								
Masonry: Brick	25%	Now	\$5,200	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Basement, Truck Side Under Sidewalk.</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 2%</i>								
<i>Location : Basement Gymnasium, Truck Side.</i>								
Plaster	20%	4+	\$2,200	LIFE	**	5	\$1,600	
<i>Worn/Eroded, Extent : Light, Area Affected : 5%</i>								
<i>Location : 3rd Floor Stair.</i>								
SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	45%			2043	**	5	\$10,200	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout.</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Various Locations Throughout</i>								
Exposed Struc: Steel	25%			LIFE	**			
Gypsum Board	20%			LIFE	**	5	\$5,700	
Plaster	10%			LIFE	**	5	\$1,400	
Site Enclosure								
Fence/Gates								
Chain link	100%	Now	\$500	2052	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Of Property</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Rear Of Building</i>								
<i>Explanation : Fence Has Been Vandalized</i>								
Site Pavements								

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FIRE DEPARTMENT - 057
ENGINE CO. 73/LADDER CO. 42
Asset # : 13061

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

Parking/Driveway

Cast in Place Concrete	100%	Now	\$16,300	2039	**			
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*Cracking/Crumbling, Extent : Severe, Area Affected : 10%**Location : Front Apron**Other Observation, Extent : Severe, Area Affected : 25%**Location : Front Apron**Explanation : Apron And Street Sinking. Allowing Vehicle To Hit Sidewalk*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2046	**	5	\$100	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 400 Amperes*

Switchgear / Switchboard

Fused Disc Sw	100%			2046	**	5	\$100	
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Raceway

Conduit	100%			2046	**	1		
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Panelboards

Molded Case Bkrs	100%			2034	**	5	\$400	
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Wiring

Thermoplastic	100%			2036	**	1		
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Motor Controllers

Locally Mounted	100%			2031	**	5	\$100	
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$200	
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Stand-by Power

Transfer Switches

Automatic	100%			2043	**	1	\$4,700	
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*Recent Installation, Extent : Light, Area Affected : 100%**Location : Basement*

Generators

Diesel	100%			2039	**	1	\$5,900	
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*Recent Installation, Extent : Light, Area Affected : 100%**Location : Side Parking Area**Other Observation, Extent : Light, Area Affected : 100%**Location : Side Parking Lot**Explanation : 125 Kva*

Batteries

Lead/Acid	100%			2021	\$1,500	5	\$600	
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*Recent Installation, Extent : Light, Area Affected : 100%**Location : Side Parking Lot Within Generator Enclosure*

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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FIRE DEPARTMENT - 057
ENGINE CO. 73/LADDER CO. 42
Asset # : 13061

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power Fuel Storage Day Tank	100%			2048	**	5	\$2,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Parking Area</i>								
<i>Explanation : 225 Gallons</i>								
Lighting								
Interior Lighting Fluorescent	95%			2026	\$39,000	10	\$13,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	5%			2026	\$4,900	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Stair Tower</i>								
<i>Explanation : Jellyjars</i>								
Egress Lighting Emergency, Service Exit, Service	50%			2026	\$3,700	1		
	50%			2026	\$800	1		
Exterior Lighting HID	100%			2026	\$57,200	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior</i>								
<i>Explanation : Photocell Control</i>								
Alarm								
Fire/Smoke Detection No Component Generic, Analog	90%							
	10%	0-2	\$15,700	2036	**	1-3	\$800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Obsolete</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2046	**	1		
Conversion Equipment Furnace	50%			2021	\$16,700	1	\$3,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 6 Gas Fired Heating / Cooling Units. See A C Section For Notes</i>								
Hot Water Boiler	50%			2031	**	1	\$3,800	
Distribution Hot Wtr Piping/Pump	100%			2042	**	4	\$700	

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FIRE DEPARTMENT - 057
ENGINE CO. 73/LADDER CO. 42
Asset # : 13061

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Convactor/Radiator	80%			2039	**	1	\$3,900	
Fan Coil Unit/Heat	20%			2026	\$42,500	1	\$1,000	
Air Conditioning								
Energy Source								
Electricity	100%			2042	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	90%	2-4	\$159,800	2036	**	2	\$700	
			<i>Broken, Extent : Severe, Area Affected : 10%</i>					
			<i>Location : 2nd Floor</i>					
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Roof</i>					
			<i>Explanation : Units Past Useful Life. Prone To Failures Requires Frequent Repair</i>					
Split Unit	10%	2-4	\$15,100	2034	**			
			<i>Other Observation, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Indoor Unit Old And Insufficient</i>					
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$19,700	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$8,500	
Exhaust Fans								
Interior	100%			2031	**	2	\$500	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		
Water Heater								
Gas Fired	100%			2025	\$8,700	2	\$200	
			<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 - 75 Gallon Units</i>					
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2019	\$500	4	\$500	
Fixtures								
Generic	100%							
Fire Suppression								

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FIRE DEPARTMENT - 057
ENGINE CO. 73/LADDER CO. 42
Asset # : 13061

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Sprinkler							
	Generic	100%			2046	**	1-2	\$4,200
<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Kitchen</i> <i>Explanation : System Serves Cooking Area</i>								

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 74
Address : 120 WEST 83rd STREET BTWN COLUMBUS AV - AMSTERDAM AV
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.074 / 13062 **Yr Built/Renovated** : 1888 / 2011
Area Sq Ft : 6,003 **Project Type** : FIRE DEPARTMENT
Date of Survey : 27-Feb-2013 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,3,4
Block : 1213 **Lot** : 41 **BIN** : 1032079

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$68,900	
Interior Architecture		\$45,100
Electrical		\$85,400
Mechanical		\$41,800
Total	\$68,900	\$172,300
Importance Code A	\$68,900	
Importance Code B		\$172,300
Total	\$68,900	\$172,300

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$27,000			\$8,100
Interior Architecture	\$76,500			\$700
Electrical	\$38,000			\$14,400
Mechanical	\$4,100	\$900	\$800	\$4,900
Total	\$145,600	\$900	\$800	\$28,100
Importance Code A	\$27,600	\$600	\$600	\$8,700
Importance Code B	\$96,600	\$300	\$300	\$19,400
Importance Code C	\$21,400			
Total	\$145,600	\$900	\$800	\$28,100



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FIRE DEPARTMENT - 057
ENGINE CO. 74
Asset # : 13062

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	0-2	\$68,900	LIFE	**	5	\$22,900	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : North Facade</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : North Facade</i>								
Masonry: Brownstone	10%	0-2	\$13,500	LIFE	**	5	\$2,100	
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : North Facade</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : North Facade</i>								
Wood Overhead Doors	10%			2037	**	5	\$14,300	
Windows								
Aluminum	100%	0-2	\$8,600	2040	**	5	\$500	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Parapets								
Metal Cornice	40%			2052	**	10	\$1,000	
Not Accessible	60%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Bituminous Flashing Completely Covers Parapet To Underside Of Metal Cap</i>								
Roof								
Asphalt Shingle	10%			2033	**	10	\$100	
Modified Bitumen	90%			2029	**	10	\$4,900	
Interior								
Floors								
Cast in Place Concrete	25%	0-2	\$21,200	LIFE	**	5	\$4,500	
<i>Other Observation, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Basement</i>								
<i>Explanation : Steel Columns In Basement Support Apparatus Floor Above</i>								
Ceramic Tile	2%			2039	**	5	\$200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	3%			2033	**	5	\$200	
Quarry Tile	5%	0-2	\$2,300	2037	**	5	\$300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	65%	0-2	\$18,000	2024	\$45,100	3	\$2,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 74
Asset # : 13062

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	20%	0-2	\$12,400	2033	**	5	\$1,100	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Gypsum Board	5%			LIFE	**	5	\$300	
Masonry: Brick	10%	Now	\$4,400	LIFE	**			
<i>Paint Peeling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Plaster	55%	0-2	\$2,500	LIFE	**	5	\$1,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Plywood/Hardboard	5%			LIFE	**			
SGFT/Glazed Masonry	5%	0-2	\$2,200	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceilings								
AcousTileSusp.Lay-In	55%	0-2	\$3,600	2037	**	5	\$2,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Embossed Metal	20%	0-2	\$7,200	LIFE	**	5	\$700	
<i>Deformed/Dented, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Plaster	25%	0-2	\$2,700	LIFE	**	5	\$1,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2037	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2024	\$4,800	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Amperes Main Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2024	\$48,800	5	\$200	
Raceway								
Conduit	100%			2024	\$31,300	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 74
Asset # : 13062

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Fused Disc Sw	5%			2023	\$1,900	5		
Molded Case Bkrs	95%			2023	\$36,600	5	\$200	
Wiring								
Thermoplastic	100%			2024	\$27,700	1		
Motor Controllers								
Locally Mounted	100%			2022	\$14,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	60%			2019	\$9,800	10	\$3,300	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement, 3rd And 4th Floors</i>						
		<i>Explanation : T-12 Lamps</i>						
Fluorescent	40%			2029	**	10	\$2,200	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : 1st And 2nd Floors</i>						
Exterior Lighting								
HID	100%			2019	\$22,600	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2050	**	1		
Conversion Equipment								
Steam Boiler	100%			2041	**	1	\$5,900	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One Unit</i>						
Distribution								
Central Plant Steam Piping/Pmp	100%			2034	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2029	**	1	\$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2040	**	1		
Conversion Equipment								
Window/Wall Unit	50%			2023	\$5,800	1		
No Component	50%							

Plumbing

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FIRE DEPARTMENT - 057
ENGINE CO. 74
Asset # : 13062

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
H/C Water Piping	Brass/Copper	100%			2024	\$41,800	1	
<i>Not Insulated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>No Water Meter, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Water Heater	Gas Fired	100%			2022	\$3,400	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 74 Gallon Units</i>								
Sanitary Piping	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%	Now	\$2,300	LIFE	**	1	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Rear Yard</i>								
<i>Explanation : Backs Up When It Rains Hard</i>								
Sump Pump(s)	Non-Submersible	100%	Now	\$900	2034	**	4	\$100
<i>On Extended Life, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Pits With Pumps</i>								
Backflow Preventer	No Component	95%						
	Generic	5%			2029	**	1	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Boiler Only</i>								
Fire Suppression								
Chemical System	Wet	10%			2022	\$200	1-3	\$500
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Model Kp 275 For Kitchen Hood</i>								
	No Component	80%						
	Generic	10%			2022	\$200	1-3	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017 **FIRE DEPARTMENT - FY 2018**

Asset Name : ENGINE CO. 75 /LADDER CO. 33 /BATTALION 19
Address : 2175 WALTON AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.075 / 13063 **Yr Built/Renovated** : 2000 / 2011
Area Sq Ft : 12,541 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Jun-2015 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3186 **Lot** : 37 **BIN** : 2000000

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$77,100
Total		\$77,100
Importance Code A		\$77,100
Total		\$77,100

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$3,700			\$1,000
Interior Architecture	\$46,000	\$2,900		\$900
Electrical	\$3,600	\$1,600	\$4,600	\$2,000
Mechanical	\$1,700	\$1,400	\$7,500	\$1,600
Total	\$55,000	\$5,900	\$12,000	\$5,500
Importance Code A	\$4,300	\$600	\$600	\$1,600
Importance Code B	\$41,000	\$3,800	\$11,400	\$3,900
Importance Code C	\$9,800	\$1,500		
Total	\$55,000	\$5,900	\$12,000	\$5,500



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 75 /LADDER CO. 33 /BATTALION 19
Asset # : 13063

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Concrete Masonry Unit	85%			LIFE	**	5	\$12,500	
Exposed Struc: Steel	2%			LIFE	**	5	\$1,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Located At Entry And Paved Plaza/ Roof</i>								
<i>Explanation : Steel Awnings</i>								
Metal Sect. OHD	10%			2039	**	5	\$7,300	
Pre-Cast Concrete	3%			LIFE	**	5	\$2,300	
Windows								
Aluminum	95%			2042	**	5	\$2,000	
Glass Block	5%			LIFE	**	5	\$100	
Parapets								
Concrete Masonry Unit	85%			LIFE	**	5	\$6,100	
Pre-Cast Concrete	15%			LIFE	**	5	\$6,000	
Roof								
Modified Bitumen	80%			2026		10	\$13,300	
<i>Alligatoring, Extent : Light, Area Affected : 50%</i>								
<i>Location : At Seams, Throughout Main Roof.</i>								
<i>Ponding, Extent : Light, Area Affected : 5%</i>								
<i>Location : Center Main Roof.</i>								
<i>Recent Repair Evident, Extent : Light, Area Affected : 15%</i>								
<i>Location : Main Roof Adjacent To Parapets</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout Main Roof</i>								
Panel/Paver: Cer/Brk	20%			2046	**	10	\$4,400	
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$3,900	LIFE	**	5	\$16,400	
<i>Horizontal Cracks, Extent : Light, Area Affected : 20%</i>								
<i>Location : Basement And Apparatus Floor.</i>								
Ceramic Tile	15%			2035	**	5	\$2,800	
Quarry Tile	5%	Now	\$13,500	2039	**	5	\$700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Kitchen</i>								
<i>Uneven Substrate, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	40%			2031	**	3	\$3,800	
Interior Walls								
Ceramic Tile	15%			2035	**	5	\$2,900	
Concrete Masonry Unit	45%	Now	\$9,800	LIFE	**	5	\$3,500	
<i>Vertical Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Various Locations on Apparatus Floor.</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : North And East Walls Of Apparatus Floors, Stair Bulkhead.</i>								
<i>Explanation : Paint Peeling.</i>								
Gypsum Board	40%			LIFE	**	5	\$4,700	

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 75 /LADDER CO. 33 /BATTALION 19
Asset # : 13063

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	45%	Now	\$1,400	2039	**	5	\$4,200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : 2nd Floor Laundry Room.</i>								
Exposed Concrete	55%	Now	\$16,600	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 4%</i>								
<i>Location : Roof Stair Bulkhead And Basement Below Kitchen</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2046	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 600 Amperes Service</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2046	**	5	\$100	
Raceway								
Conduit	100%			2046	**	1		
Panelboards								
Molded Case Bkrs	100%			2042	**	5	\$300	
Wiring								
Thermoplastic	100%			2046	**	1		
Motor Controllers								
Locally Mounted	100%			2039	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2031	**	1	\$3,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 200 Amperes</i>								
Generators								
Diesel	100%			2029	**	1	\$4,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior</i>								
<i>Explanation : 64 Kw</i>								
Batteries								
Lead/Acid	100%			2019	\$1,500	5	\$500	
Fuel Storage								
Main Tank	100%			2041	**	5	\$400	

Lighting

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FIRE DEPARTMENT - 057
ENGINE CO. 75 /LADDER CO. 33 /BATTALION 19
Asset # : 13063

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Interior Lighting Fluorescent	100%			2026	\$34,000	10	\$11,500	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								

Egress Lighting Emergency, Service	50%			2026	\$3,100	1		
Exit, Battery	50%			2021	\$2,300	10	\$400	

Exterior Lighting HID	100%			2031	**	10		
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Alarm

Fire/Smoke Detection Generic, Digital	100%			2034	**	1-3	\$8,000	
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Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source Natural Gas	100%			2046	**	1		
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Conversion Equipment Furnace	50%			2031	**	1	\$3,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 7 - Gas Fired Heating / Cooling Units</i>								

Hot Water Boiler	50%			2039	**	1	\$3,100	
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Distribution Ductwork/Diffusers	50%			LIFE	**	2-5	\$3,500	
Hot Wtr Piping/Pump	50%			2042	**	4	\$300	

Terminal Devices Convactor/Radiator	98%			2039	**	1	\$4,000	
Unit Heater - Steam	2%			2031	**	4		

Air Conditioning

Energy Source Electricity	100%			2042	**	1		
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Conversion Equipment Ext Pkg Unit - Heating/Cooling	98%			2031	**	2	\$800	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								

Split Unit	2%			2031	**			
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Distribution Ductwork/Diffusers	100%			LIFE	**	2	\$16,300	
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Ventilation

Distribution Ductwork/Diffusers	100%			LIFE	**	2-5	\$7,000	
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 75 /LADDER CO. 33 /BATTALION 19
Asset # : 13063

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
	Exhaust Fans							
	Roof	100%			2031	**	2	\$400
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2046	**	1	
	Water Heater							
	Gas Fired	100%			2024	\$7,200	2	\$200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 - 75 Gallon Units</i>					
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Non-Submersible	100%			2031	**	4	\$400
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Duplex Unit</i>					
	Backflow Preventer							
	Generic	100%			2031	**	1	\$800
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	Generic	100%			2024	\$1,900	1-3	\$3,700

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 76/LADDER CO. 22 CO-LOCATE (PRECINCT 24)
Address : 145 WEST 100th STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.076 / 13064 **Yr Built/Renovated** : 1960 /
Area Sq Ft : 12,803 **Project Type** : FIRE DEPARTMENT
Date of Survey : 11-May-2016 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 1855 **Lot** : 5 **BIN** : 1055910

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$68,000
Interior Architecture		\$67,800
Total		\$135,800
Importance Code A		\$68,000
Importance Code B		\$67,800
Total		\$135,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$43,700			\$8,300
Interior Architecture	\$46,600	\$2,100		\$800
Electrical		\$200		\$13,900
Mechanical	\$3,200	\$500	\$800	\$16,500
Total	\$93,500	\$2,800	\$800	\$39,500
Importance Code A	\$43,700			\$8,300
Importance Code B	\$46,100	\$2,300	\$800	\$31,200
Importance Code C	\$3,700	\$600		
Total	\$93,500	\$2,800	\$800	\$39,500



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FIRE DEPARTMENT - 057
ENGINE CO. 76/LADDER CO. 22 CO-LOCATE (PRECINCT 24)
Asset # : 13064

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%			LIFE	**	5	\$15,600	
Masonry: Granite	5%			LIFE	**	5	\$800	
Masonry: Limestone	10%			LIFE	**	5	\$1,700	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Street Facade</i>								
Wood	5%			2032	**	5	\$5,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Of Lot</i>								
<i>Explanation : Built Out Addition - Cooking Surround</i>								
Wood Overhead Doors	10%			2032	**	5	\$11,100	
Windows								
Aluminum	100%	Now	\$23,300	2052	**	5	\$300	1
<i>Air Infiltration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Windows Are Very Old, Corroded, Single-glazed And Inoperable. They Should Be Replaced.</i>								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$2,400	
Masonry: Brick	80%			LIFE	**	5	\$1,200	
Roof								
Roll Roofing	100%	Now	\$20,400	2026	\$68,000	5	\$13,800	
<i>Blisters, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Debris Present, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Drains Inad/Misposn, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Center Of Roof</i>								
<i>Ponding, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Center Of Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Bunk Room And Rear Stairs</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
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FIRE DEPARTMENT - 057
ENGINE CO. 76/LADDER CO. 22 CO-LOCATE (PRECINCT 24)

Asset # : 13064

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$18,300	LIFE	**	5	\$19,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout Apparatus Room</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Engine Bay Of Appartaus Room</i>								
Ceramic Tile	5%	0-2	\$900	2030	**	5	\$400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Locker Room</i>								
Ceramic Tile	5%	Now	\$17,000	2042	**	5	\$400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Chief, Officer And Laundry Room</i>								
<i>Explanation : Tile Beyond Useful Life</i>								
Quarry Tile	5%			2040	**	5	\$1,300	
Vinyl Tile 9" X 9"	35%	0-2	\$6,800	2027	\$67,800	3	\$2,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Second Floor Corridor</i>								
Interior Walls								
Ceramic Tile	10%			2030	**	5	\$1,200	
Gypsum Board	10%			LIFE	**	5	\$700	
Plaster	20%	Now	\$3,700	LIFE	**	5	\$700	
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Apparatus Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Rear Stair And Bunk Room</i>								
SGFT/Glazed Masonry	60%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	10%			2040	**	5	\$1,800	
Exposed Concrete	40%			LIFE	**	5	\$1,100	
Plaster	50%			LIFE	**	5	\$5,500	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	100%			2037	**	1		
Panelboards								
Fused Disc Sw	10%			2035	**	5		
Molded Case Bkrs	90%			2035	**	5	\$300	
Wiring								
Thermoplastic	100%			2037	**	1		
Motor Controllers								
Locally Mounted	100%			2032	**	5	\$100	

Lighting

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Estimates are rounded to the nearest hundred dollars.
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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 76/LADDER CO. 22 CO-LOCATE (PRECINCT 24)
Asset # : 13064

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting								
Fluorescent	90%			2027	\$31,200	10	\$10,600	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Fluorescent	9%			2022	\$3,100	10	\$1,100	
		<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
LED	1%			2035	* *			
Exterior Lighting								
HID	20%			2022	\$9,700	10		
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : The Heating Source (Hot Water) Is From Adjacent Building (Police Station)</i>						
Conversion Equipment								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : The Heating Source (Hot Water) Is From Adjacent Building (Police Station)</i>						
Distribution								
Hot Wtr Piping/Pump	100%			2035	* *	4	\$900	
Terminal Devices								
Convactor/Radiator	60%			2032	* *	1	\$2,500	
Unit Heater - Steam	40%			2027	\$17,100	4	\$700	
Air Conditioning								
Energy Source								
Electricity	100%			2035	* *	1		
Conversion Equipment								
Split Unit	10%			2032	* *			
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 1 Unit. R-410a</i>						
Window/Wall Unit	50%			2022	\$12,500	1		
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2-5	\$1,400	
No Component	80%							

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FIRE DEPARTMENT - 057
ENGINE CO. 76/LADDER CO. 22 CO-LOCATE (PRECINCT 24)
Asset # : 13064

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
	Exhaust Fans							
	Roof	20%			2027	\$4,000	2	\$100
	Wall Unit	30%			2022	\$1,300	2	\$100
	No Component	50%						
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2037	**	1	
	Water Heater							
	Electric	100%			2025	\$10,500	4	\$100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : 1st Floor</i>				
				<i>Explanation : 2 - 120 Gallon Units</i>				
	Sanitary Piping							
	Cast Iron	100%	Now	\$1,800	LIFE	**	1	
				<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>				
				<i>Location : 1st Floor Operational Area</i>				
				<i>Explanation : The Cover Is Missing</i>				
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Fixtures							
	Generic	100%						
				<i>Obsolete Fixtures, Extent : Severe, Area Affected : 100%</i>				
				<i>Location : Throughout</i>				
Fire Suppression								
	Chemical System							
	Generic	100%			2022	\$1,900	1-3	\$4,000

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 79
Address : 2928 BRIGGS AVENUE @ E.199 ST
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.079 / 13065 **Yr Built/Renovated** : 1904 / 2009
Area Sq Ft : 6,804 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Mar-2013 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,1
Block : 3297 **Lot** : 9 **BIN** : 2016936

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$48,400	
Electrical		\$114,500
Total	\$48,400	\$114,500
Importance Code A	\$48,400	
Importance Code B		\$114,500
Total	\$48,400	\$114,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$2,000	\$100		
Interior Architecture	\$23,900			\$800
Electrical	\$4,200	\$500	\$500	\$500
Mechanical	\$13,700	\$1,100	\$1,000	\$1,200
Total	\$43,800	\$1,600	\$1,500	\$2,500
Importance Code A	\$2,700	\$800	\$700	\$700
Importance Code B	\$41,100	\$900	\$800	\$1,900
Importance Code C				
Total	\$43,800	\$1,600	\$1,500	\$2,500



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 79
Asset # : 13065

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2044	**	10	\$100	
Masonry: Brick	50%			LIFE	**	5	\$4,100	
<i>Painted Surfaces, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : North And South Facades</i>								
Masonry: Brick	30%			LIFE	**	5	\$2,400	
Masonry: Granite	5%			LIFE	**	5	\$300	
Wood Overhead Doors	10%			2029	**	5	\$4,100	
Windows								
Aluminum	100%			2040	**	5	\$200	
Parapets								
Masonry: Brick	80%			LIFE	**	5	\$900	
Pre-Cast Concrete	20%			LIFE	**	5	\$1,400	
Roof								
Asphalt Shingle	5%			2033	**	10	\$100	
Modified Bitumen	92%	2-4	\$48,400	2034	**			
<i>Blisters, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	3%			2034	**	10	\$900	
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$10,000	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	5%	Now	\$4,400	2033	**	5	\$200	
<i>Drains Inad/Misposn, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor Restroom</i>								
<i>Poor Subfloor Evident, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor Restroom</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Over Apparatus Floor</i>								
Quarry Tile	5%			2037	**	5	\$700	
Vinyl Tile	40%	0-2	\$9,300	2029	**	3	\$1,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor</i>								

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 79
Asset # : 13065

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	5%			2033	**	5	\$300	
Gypsum Board	5%			LIFE	**	5	\$200	
Masonry: Brick	15%			LIFE	**			
Masonry: Fieldstone	5%			LIFE	**			
Plaster	40%			LIFE	**	5	\$600	
SGFT/Glazed Masonry	25%			LIFE	**			
Wood	5%			LIFE	**	5	\$1,000	
Ceilings								
AcousTileSusp.Lay-In	5%	Now	\$3,700	2044	**	5	\$200	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Apparatus Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Apparatus Floor</i>								
Embossed Metal	40%	Now	\$6,400	LIFE	**	5	\$1,700	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Rear Of Apparatus Room</i>								
<i>Deformed/Dented, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Rear Of Apparatus Room</i>								
Exposed Struc: Steel	20%			LIFE	**			
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Gypsum Board	15%			LIFE	**	5	\$1,700	
Plaster	20%			LIFE	**	5	\$1,100	
Site Enclosure								
Free Standing Walls								
Masonry: Brick	100%			2044	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2037	**			
Parking/Driveway								
Cast in Place Concrete	100%			2037	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2034	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Switch Rated @ 200 Amperes</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2024	\$48,800	5	\$200	

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 79
Asset # : 13065

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	50%			2024	\$15,600	1		
Conduit	50%			2034	**	1		
Panelboards								
Fused Disc Sw	10%			2032	**	5		
Molded Case Bkrs	10%			2032	**	5		
Molded Case Bkrs	80%			2023	\$30,800	5	\$100	
Wiring								
Thermoplastic	50%			2024	\$13,800	1		
Thermoplastic	50%			2034	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2029	**	1	\$2,100	
Generators								
Diesel	100%			2027	\$65,700	1	\$2,600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Emergency Generator Rated @ 81 Kva</i>								
Batteries								
Lead/Acid	100%			2019	\$1,500	5	\$300	
Fuel Storage								
Main Tank	100%			2039	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 75 Gallon Capacity</i>								
Lighting								
Interior Lighting								
Fluorescent	88%			2024	\$16,200	10	\$5,500	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	2%			2024	\$400	10	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Compact Fluorescent LightFixtures</i>								
Fluorescent	10%	Now	\$1,800	2034	**			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Throughout.</i>								
<i>Explanation : Fixtures Not Working.</i>								
Egress Lighting								
Emergency, Service	100%			2024	\$3,300	1		
Exterior Lighting								
HID	100%			2024	\$25,700	10		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 79
Asset # : 13065

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2034	**	1		
Conversion Equipment								
Steam Boiler	100%			2037	**	1	\$6,700	
Distribution								
Central Plant Steam Piping/Pmp	100%			2034	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2029	**	1	\$2,200	
Air Conditioning								
Energy Source								
Electricity	100%			2032	**	1		
Conversion Equipment								
Split Unit	15%			2024			\$20,400	
Window/Wall Unit	40%			2019		1	\$5,300	
No Component	45%							
Terminal Devices								
Fan Coil - 2 Pipe	15%			2024		1	\$10,000	\$300
No Component	85%							
Heat Rejection								
Air Cooled Condenser Unit	15%			2024		2	\$1,100	\$700
No Component	85%							
Ventilation								
Distribution								
Ductwork/Diffusers	15%			LIFE	**	2-5		\$600
No Component	85%							
Exhaust Fans								
Roof	15%			2019		2	\$1,600	
No Component	85%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2034	**	1		
Water Heater								
Gas Fired	100%			2019		2	\$3,900	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 - 74 Gallon Units</i>					
Sanitary Piping								
Cast Iron	100%	Now	\$900	LIFE	**	1		
			<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>					
			<i>Location : Basement</i>					
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	100%			2019		4	\$1,000	\$200

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 79
Asset # : 13065

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System								
	No Component	98%						
	Generic	2%			2019		1-3	\$100

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 ** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 8
Address : 165 EAST 51st STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.008 / 13007 **Yr Built/Renovated** : 1961 / 2006
Area Sq Ft : 9,897 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-May-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3,4
Block : 1306 **Lot** : 33 **BIN** : 1036462

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$50,800	
Mechanical		\$151,600
Total	\$50,800	\$151,600
Importance Code A	\$50,800	
Importance Code B		\$151,600
Total	\$50,800	\$151,600

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture		\$10,300		
Interior Architecture	\$23,600	\$600	\$1,100	\$700
Electrical	\$600	\$800	\$600	\$9,500
Mechanical	\$5,700	\$1,000	\$3,100	\$5,200
Total	\$29,800	\$12,600	\$4,700	\$15,500
Importance Code A		\$10,300		
Importance Code B	\$24,500	\$2,300	\$3,600	\$15,500
Importance Code C	\$5,200		\$1,100	
Total	\$29,800	\$12,600	\$4,700	\$15,500



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 8
Asset # : 13007

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Granite	30%			LIFE	**	5	\$1,100	
Metal/Glass Curt Wall	35%			LIFE	**	5	\$3,200	
Metal Sect. OHD	35%			2040	**	5	\$5,300	
Windows								
Aluminum	50%	Now	\$50,800	2052	**	5	\$600	
<i>Air Infiltration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Metal Louvers	50%			2030	**	10	\$7,600	
Interior								
Floors								
Cast in Place Concrete	45%	0-2	\$6,900	LIFE	**	5	\$14,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout The Apparatus Floor</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout The Apparatus Floor</i>								
Ceramic Tile	10%	Now	\$2,900	2036	**	5	\$700	
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 1st Floor Bathroom - From Floor Drain Backup</i>								
Quarry Tile	5%			2040	**	5	\$1,100	
Vinyl Tile	40%	Now	\$2,500	2032	**	3	\$2,200	
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Company Office - From Abutting Property</i>								
Interior Walls								
Ceramic Tile	10%			2036	**	5	\$2,100	
Gypsum Board	30%	Now	\$5,200	LIFE	**	5	\$3,800	
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Company Office - From Abutting Property</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Second Floor</i>								
<i>Explanation : Unfinished Drywall At Multiple Locations</i>								
Plaster	10%			LIFE	**	5	\$600	
SGFT/Glazed Masonry	50%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	40%	2-4	\$2,100	2040	**	5	\$1,300	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Multiple Locations At The Second Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations Throughout</i>								
Gypsum Board	60%	Now	\$3,900	LIFE	**	5	\$4,900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Storage Room And Gymnasium</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room - From Bathroom Above</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 8
Asset # : 13007

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	100%			2047	**	1		
Panelboards								
Fused Disc Sw	10%			2043	**	5		
Molded Case Bkrs	90%			2043	**	5	\$200	
Wiring								
Thermoplastic	100%			2047	**	1		
Motor Controllers								
Locally Mounted	100%			2040	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	98%			2032	**	10	\$8,900	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	1%			2032	**	10	\$100	
<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
LED	1%			2032	**			
Egress Lighting								
Emergency, Service	50%			2032	**	1		
Exit, LED	50%			2055	**	1		
Exterior Lighting								
HID	10%			2027			\$100	10
No Component	90%							
Alarm								
Fire/Smoke Detection								
Generic, Digital	100%			2032	**	1-3	\$6,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Smoke Detectors, Strobe Lights, Manual Pull Stations, Alarm Bells And Horns</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Heating Source Provided By The Building</i>								
Conversion Equipment								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Heating Source Provided By The Building</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 8
Asset # : 13007

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$2,800	
Central Plant Steam Piping/Pmp	50%			2037	**	4	\$200	
Terminal Devices								
Air Handler	30%			2032	**	1	\$1,800	
Convactor/Radiator	40%			2032	**	1	\$1,300	
Unit Heater - Steam	30%			2027	\$9,900	4	\$400	
Air Conditioning								
Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Split Unit	50%			2027	\$98,800			
<i>R-22 Refrigerant, Extent : Light, Area Affected : 50%</i>								
<i>Location : 4 Units, Various</i>								
Window/Wall Unit	10%			2022	\$1,900	1		
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	50%			2027	\$52,800	1	\$1,600	
No Component	50%							
Heat Rejection								
Evaporative Condenser	50%			2027	\$8,600	2	\$3,400	
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,500	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : The Air Circulation Is Very Poor Due To The Building Setup.</i>								
Exhaust Fans								
Interior	100%			2032	**	2	\$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2047	**	1		
Water Heater								
Electric	100%			2026	\$8,200	4	\$100	
Sanitary Piping								
Cast Iron	100%	Now	\$3,400	LIFE	**	1		
<i>Leak Evident, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Water Leaks From 2nd Floor Shower Room To 1st Floor Garage</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Backflow Preventer								
Not Accessible	100%							
Fixtures								
Generic	100%							

Fire Suppression

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 8
Asset # : 13007

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Sprinkler							
	Generic	100%			2047	* *	1-2	\$2,800
Fire Pump	Not Accessible	100%						
Chemical System	Generic	100%			2022	\$1,900	1-3	\$4,000

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 80/LADDER 23
Address : 503 WEST 139th STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.080 / 13066 **Yr Built/Renovated** : 1904 / 2011
Area Sq Ft : 10,667 **Project Type** : FIRE DEPARTMENT
Date of Survey : 13-Jul-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2071 **Lot** : 27 **BIN** : 1075504

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$87,600	
Total	\$87,600	
Importance Code A	\$87,600	
Total	\$87,600	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$25,800			
Interior Architecture	\$13,800	\$3,800	\$2,900	\$400
Electrical	\$1,000	\$900	\$900	\$2,600
Mechanical	\$3,400	\$1,900	\$2,500	\$2,100
Total	\$44,100	\$6,500	\$6,200	\$5,100
Importance Code A	\$26,900	\$1,100	\$1,100	\$1,100
Importance Code B	\$17,200	\$5,500	\$2,300	\$4,000
Importance Code C			\$2,900	
Total	\$44,100	\$6,500	\$6,200	\$5,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 80/LADDER 23
Asset # : 13066

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$87,600	LIFE	**	5	\$29,100	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Upper Story - Street Facade</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Street Facade - Upper Right Corner</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Street Facade - Upper Right Corner</i>								
Masonry: Limestone	15%			LIFE	**	5	\$4,400	
Metal Sect. OHD	10%			2044	**	5	\$12,100	
Windows								
Aluminum	100%			2049	**	5	\$2,800	
Parapets								
Masonry: Brick	25%			LIFE	**	5	\$600	
Masonry: Brick	50%	Now	\$3,600	LIFE	**	5	\$1,200	
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 3rd Floor Gymnasium Street Façade</i>								
Masonry: Limestone	15%			LIFE	**	5	\$500	
Pre-Cast Concrete	5%			LIFE	**	5	\$800	
Slate	5%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Coping</i>								
<i>Explanation : Material Actually Bluestone</i>								
Roof								
Modified Bitumen	97%	Now	\$14,800	2032	**			
<i>Alligatoring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Lap Joints Throughout</i>								
<i>Blisters, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Debris Present, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Drains Inad/Misposn, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Central Roof</i>								
Skylight, Metal/Glass	3%			2047	**	10	\$1,300	
Interior								

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FIRE DEPARTMENT - 057
ENGINE CO. 80/LADDER 23
Asset # : 13066

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	37%	Now	\$12,300	LIFE	**	5	\$12,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Cellar</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Back Up From Floor Drains In Heavy Storms</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : At Floor Drains</i>								
Ceramic Tile	5%	Now	\$1,500	2030	**	5	\$400	
<i>Worn/Eroded, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Locker Rooms</i>								
Quarry Tile	3%			2032	**	5	\$700	
Vinyl Tile	55%			2032	**	3	\$3,300	
<i>Uneven Surface, Extent : Light, Area Affected : 15%</i>								
<i>Location : Second And Third Floors</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 20%</i>								
<i>Location : Second And Third Floors</i>								
Interior Walls								
Ceramic Tile	30%			2036	**	5	\$5,700	
Concrete Masonry Unit	10%			LIFE	**	5	\$800	
Gypsum Board	40%			LIFE	**	5	\$4,600	
Masonry: Brick	20%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	35%			2040	**	5	\$5,400	
Exposed Concrete	20%			LIFE	**	5	\$500	
Exposed Struc: Steel	20%			LIFE	**			
Gypsum Board	25%			LIFE	**	5	\$4,800	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2053	**	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Amperes Main Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2053	**	5	\$300	
Raceway								
Conduit	100%			2053	**	1		
Panelboards								
Fused Disc Sw	5%			2049	**	5		
Molded Case Bkrs	95%			2049	**	5	\$300	
Wiring								
Thermoplastic	100%			2053	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 80/LADDER 23
Asset # : 13066

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2044	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	**	1	\$3,300	
Generators								
Diesel	100%			2040	**	1	\$4,100	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : One 80 Kw / 100 Kva, 3 Phase, 208/120 V</i>					
Batteries								
Lead/Acid	100%			2022	\$1,500	5	\$400	
Fuel Storage								
Day Tank	50%			2043	**	5	\$1,000	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : One 100 Gallons</i>					
Main Tank	50%			2062	**	5	\$200	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : One 550 Gallons</i>					
Lighting								
Interior Lighting								
Fluorescent	88%			2035	**	10	\$8,600	
			<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
Fluorescent	10%			2035	**	10	\$1,000	
			<i>T-5 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Gymnasium</i>					
Incandescent	2%			2035	**	2		
Egress Lighting								
Emergency, Service	60%			2035	**	1		
Exit, Service	40%			2035	**	1		
Exterior Lighting								
HID	100%			2035	**	10		
Alarm								
Fire/Smoke Detection								
No Component	80%							
Generic, Digital	20%			2035	**	1-3	\$1,300	

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

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FIRE DEPARTMENT - 057
ENGINE CO. 80/LADDER 23
Asset # : 13066

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Steam Boiler	100%			2040	**	1	\$10,600	
Distribution								
Central Plant Steam Piping/Pmp	100%			2047	**	4	\$800	
Terminal Devices								
Convactor/Radiator	80%			2040	**	1	\$2,800	
Unit Heater - Steam	20%			2032	**	4	\$300	
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	70%			2032	**	2	\$500	
		<i>Other Observation, Extent : Light, Area Affected : 70%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 3 Units. R - 410 A Refrigerant</i>						
No Component	30%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,900	
Exhaust Fans								
Roof	100%			2032	**	2	\$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2047	**	1		
Water Heater								
Gas Fired	100%			2025	\$6,100	2	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 - 75 Gallon Units</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%	Now	\$1,000	LIFE	**	1		
		<i>Blockage /Clogged, Extent : Severe, Area Affected : 15%</i>						
		<i>Location : Operational Area And Rear Side Of Basement.</i>						
Sump Pump(s)								
Non-Submersible	100%			2027	\$1,500	4	\$300	
Fixtures								
Generic	100%							
Fire Suppression								

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**FIRE DEPARTMENT - 057
ENGINE CO. 80/LADDER 23
Asset # : 13066**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Chemical System							
	Generic	100%			2025	\$1,900	1-3	\$4,000
<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Kitchen</i> <i>Explanation : 1 Set</i>								

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 81/LADDER CO. 46
Address : 3025 BAILEY AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.081 / 13067 **Yr Built/Renovated** : 1912 / 2007
Area Sq Ft : 9,500 **Project Type** : FIRE DEPARTMENT
Date of Survey : 09-Apr-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 3266 **Lot** : 1 **BIN** : 2000000

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$152,100
Electrical		\$134,000
Total		\$286,200
Importance Code A		\$152,100
Importance Code B		\$134,000
Total		\$286,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$3,200	\$400	\$3,800	\$100
Interior Architecture	\$4,800		\$1,300	\$1,300
Electrical	\$700	\$700	\$18,600	\$700
Mechanical	\$15,600	\$1,200	\$9,800	\$1,100
Total	\$24,300	\$2,300	\$33,400	\$3,100
Importance Code A	\$3,600	\$900	\$4,200	\$600
Importance Code B	\$16,400	\$1,400	\$29,200	\$2,100
Importance Code C	\$4,300			\$400
Total	\$24,300	\$2,300	\$33,400	\$3,100



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FIRE DEPARTMENT - 057
ENGINE CO. 81/LADDER CO. 46
Asset # : 13067

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	3%			2043	**	10	\$300	
Masonry: Brick	77%			LIFE	**	5	\$26,600	
Masonry: Granite	3%			LIFE	**	5	\$800	
Masonry: Limestone	10%			LIFE	**	5	\$2,600	
Metal Sect. OHD	7%			2036	**	5	\$7,500	
Windows								
Aluminum	100%			2045	**	5	\$900	
Parapets								
Masonry: Brick	90%	Now	\$3,200	LIFE	**	5	\$2,800	
<i>Miss/Damaged Flashings, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout Roof</i>								
Masonry: Limestone	10%			LIFE	**	5	\$400	
Roof								
Asphalt Shingle	5%			2032	**	10	\$100	
Modified Bitumen	90%			2028		10	\$63,100	\$10,900
Skylight, Metal/Glass	5%			2023		10	\$89,000	\$2,000
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 20%</i>								
<i>Location :</i>								
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	**	5	\$18,700	
Ceramic Tile	5%			2032	**	5	\$700	
Quarry Tile	5%			2036	**	5	\$1,100	
Vinyl Tile	27%			2028		3	\$32,600	\$1,900
Wood	3%			2051	**	5	\$800	
Interior Walls								
Ceramic Tile	5%			2032	**	5	\$900	
Concrete Masonry Unit	3%			LIFE	**	5	\$200	
Gypsum Board	10%			LIFE	**	5	\$1,000	
Masonry: Brick	10%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Room</i>								
<i>Explanation : Unglazed Face Brick</i>								
Masonry: Brick	32%	4+	\$4,300	LIFE	**			
<i>Spalling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Basement At Front Wall</i>								
Plaster	40%			LIFE	**	5	\$2,100	
Ceilings								
AcousTileSusp.Lay-In	5%			2036	**	5	\$700	
Exposed Struc: Steel	25%			LIFE	**			
Plaster	70%			LIFE	**	5	\$6,200	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

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FIRE DEPARTMENT - 057
ENGINE CO. 81/LADDER CO. 46
Asset # : 13067

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
	Service Equipment							
	Fused Disc Sw	100%			2043	**	5	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 400 Amp</i>					
	Switchgear / Switchboard							
	Molded Case Bkrs	100%			2043	**	5	\$300
	Raceway							
	Conduit	100%			2049	**	1	
	Panelboards							
	Molded Case Bkrs	100%			2045	**	5	\$300
			<i>Other Observation, Extent : Light, Area Affected : 2%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Communication Panel - Some Wires Are Not Terminated And Not Insulated</i>					
	Wiring							
	Thermoplastic	50%			2049	**	1	
			<i>Recent Installation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
	Thermoplastic	50%			2033	**	1	
	Motor Controllers							
	Locally Mounted	50%			2040	**	5	
			<i>Recent Installation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Pumps Controllers In Basement</i>					
	Locally Mounted	50%			2021	\$7,200	5	
			<i>Aged Component, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st Floor Roll Up Gate</i>					
	Ground							
	Grounding Devices							
	Generic	100%			LIFE	**	5	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Ground Rods</i>					
	Lighting							
	Interior Lighting							
	Fluorescent	98%			2031	**	10	\$8,500
			<i>Inadequate Lighting Level, Extent : Light, Area Affected : 25%</i>					
			<i>Location : Basement</i>					
			<i>Recent Installation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
			<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
	Incandescent	2%			2023	\$1,200	2	

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FIRE DEPARTMENT - 057
ENGINE CO. 81/LADDER CO. 46
Asset # : 13067

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Egress Lighting Emergency, Battery	100%			2031	**	10	\$2,300	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floors</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floors</i>								
<i>Explanation : Battery Back Up Units</i>								
Exterior Lighting HID	100%			2023	\$35,800	10		
Alarm								
Fire/Smoke Detection Generic	100%			2028	\$98,200	1-3	\$6,000	
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Electricity	5%			2043	**	1		
Natural Gas	95%			2043	**	1		
Conversion Equipment								
Heat Pump Air Sourced	5%			2024	\$1,700	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Members Room</i>								
<i>Explanation : Split Unit Combination Heat / Cool</i>								
Hot Water Boiler	95%			2036	**	1	\$4,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Boilers</i>								
Distribution								
Hot Wtr Piping/Pump	100%	Now	\$300	2039	**	4	\$500	
<i>Leak Evident, Extent : Light, Area Affected : 5%</i>								
<i>Location : On Valve Near Pumps In Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Explanation : Slight Leak On Valve Near Pumps</i>								
Terminal Devices								
Convactor/Radiator	80%			2036	**	1	\$2,500	
Unit Heater - Steam	20%			2028	\$6,400	4	\$300	
Air Conditioning								
Energy Source Electricity	100%			2039	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 81/LADDER CO. 46
Asset # : 13067

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	5%			2028	\$5,600	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Members Room</i>						
		<i>Explanation : Split Unit Heating / Cooling</i>						
Window/Wall Unit	75%			2019	\$13,900	1		
No Component	20%							
Heat Rejection								
Dry Cooler	5%			2028	\$1,900	2	\$300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Ground Floor</i>						
		<i>Explanation : R - 410 A Refrigerant</i>						
No Component	95%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Includes Make- Up Air For Boiler</i>						
Exhaust Fans								
Roof	50%			2023	\$7,400	2	\$100	
Wall Unit	50%			2023	\$1,600	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2043	**	1		
Water Heater								
Gas Fired	100%			2021	\$5,400	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 - 75 Gallon Units</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2019	\$300	4	\$300	
Backflow Preventer								
No Component	95%							
Generic	5%			2028	\$100	1		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Serves Boiler</i>						
Fixtures								
Generic	100%							
Fire Suppression								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 81/LADDER CO. 46
Asset # : 13067

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Fire Suppression								
Chemical System								
	Wet	100%			2021	\$2,100	1-3	\$4,200

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 82/LADDER CO. 31
Address : 1213 INTERVALE AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.082 / 13068 **Yr Built/Renovated** : 1904 / 2000
Area Sq Ft : 8,975 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-Apr-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Floors 1,2,3
Block : 2973 **Lot** : 38 **BIN** : 2010447

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$316,000	
Mechanical		\$44,900
Total	\$316,000	\$44,900
Importance Code A	\$316,000	
Importance Code B		\$44,900
Total	\$316,000	\$44,900

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$96,800		\$12,500	
Interior Architecture	\$41,100			\$2,100
Electrical	\$54,400	\$100		
Mechanical	\$22,900	\$1,500	\$10,100	\$1,500
Site Pavements				
Total	\$215,200	\$1,500	\$22,700	\$3,600
Importance Code A	\$97,700	\$900	\$13,400	\$900
Importance Code B	\$103,100	\$600	\$9,200	\$2,300
Importance Code C	\$14,400			\$400
Total	\$215,200	\$1,500	\$22,700	\$3,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 82/LADDER CO. 31
Asset # : 13068

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$80,600	LIFE	**	5	\$26,800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Rear Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Right Side Near Front</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Rear Facade And Side Facade At Flat Roof</i>								
Masonry: Sandstone	5%			LIFE	**	5	\$1,300	
Wood Overhead Doors	15%			2021	\$158,500	5	\$25,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Left Door- 3 Glass Panes Replaced With Plywood</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Both Doors</i>								
Windows								
Aluminum	100%	Now	\$28,800	2039	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Office And 3rd Floor Rear</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	5%	0-2	\$4,600	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Roof Parapet</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Roof Parapet</i>								
Masonry: Brick	85%	Now	\$24,000	LIFE	**	5	\$2,100	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Main Roof</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Main Roof, Front Parapets Next To Tile Roof</i>								
<i>Spalling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								
Masonry: Limestone	10%	Now	\$5,100	LIFE	**	5	\$300	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 82/LADDER CO. 31
Asset # : 13068

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Asphalt Shingle	5%			2026	\$2,100	10	\$100	
Clay Tile	20%	Now	\$40,700	2053	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Main Sloped Roof At Front Of Building</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Throughout, Particularly At 2nd Floor Front</i>								
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Front Of Building</i>								
<i>Explanation : Gutters Failing, Causing Extensive Interior Damage</i>								
Roll Roofing	72%			2019	\$36,200	5	\$14,700	
Skylight, Metal/Glass	3%	2-4	\$27,000	2033	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Hose Tower</i>								
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$13,100	LIFE	**	5	\$13,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement Near Front</i>								
Ceramic Tile	15%			2032	**	5	\$2,100	
Vinyl Tile	40%			2031	**	3	\$2,800	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Interior Walls								
Ceramic Tile	5%			2032	**	5	\$800	
Gypsum Board	10%			LIFE	**	5	\$900	
Masonry: Brick	40%			LIFE	**			
Masonry: Fieldstone	10%	Now	\$10,600	LIFE	**			
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Penetration</i>								
Plaster	30%	Now	\$3,800	LIFE	**	5	\$1,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Front And 2nd Floor Hose Tower</i>								
Wood	5%			LIFE	**	5	\$3,100	

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FIRE DEPARTMENT - 057
ENGINE CO. 82/LADDER CO. 31
Asset # : 13068

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	15%	Now	\$10,200	2043	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd Floor And Kitchen</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor, 3rd Floor Front And Kitchen</i>								
Embossed Metal	20%			LIFE	**	5	\$1,300	
Exposed Struc: Steel	30%			LIFE	**			
Metal Panel	5%			LIFE	**	5	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Shower Room</i>								
<i>Explanation : Metal Lay- In Panels</i>								
Plaster	30%	2-4	\$2,800	LIFE	**	5	\$2,600	
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Locker Room And Hose Tower Scuttle</i>								
Site Enclosure								
Fence/Gates								
Chain link	100%			2033	**			
Retaining Walls								
Concrete Masonry Unit	60%			2043	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Concrete Masonry Unit Sits Upon Brick Base; Chain Link Fence Is Fastened To Concrete Masonry Unit</i>								
Masonry: Brick	40%			2043	**			
Site Pavements								
Parking/Driveway								
Cast in Place Concrete	100%			2028			\$21,800	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2023	\$4,800	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Section.</i>								
<i>Explanation : 400 Amp</i>								
Raceway								
Conduit	40%			2033	**	1		
Conduit	50%			2043	**	1		
Tray	10%			2036	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 82/LADDER CO. 31
Asset # : 13068

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Panelboards								
	Molded Case Bkrs	30%	0-2	\$11,500	2048	**	5	
<i>Enclosure Corroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Section</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Section Near Service Switch</i>								
<i>Explanation : Water Damage</i>								
	Molded Case Bkrs	70%			2045	**	5	\$200
Wiring								
	Braided Cloth	30%	2-4	\$8,300	2048	**	1	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Insulation Aged And Brittle.</i>								
	Thermoplastic	70%			2043	**	1	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Motor Controllers								
	Locally Mounted	100%			2028		5	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Boiler Section</i>								
<i>Explanation : Motor Controllers For Heating System.</i>								
Ground								
Grounding Devices								
	Generic	100%	2-4	\$9,500	LIFE	**	5	\$100
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Near Water Main.</i>								
<i>Explanation : Ground Wire Rusted And Corroded.</i>								
Lighting								
Interior Lighting								
	Fluorescent	65%			2023		10	\$5,400
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
	Fluorescent	30%	Now	\$7,300	2033	**		
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Burnt Out</i>								
	Incandescent	5%			2019		2	\$2,900
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Television Room 1st Floor</i>								
<i>Explanation : Downlights</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 82/LADDER CO. 31
Asset # : 13068

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Egress Lighting

Exit, Service

50%

2023

\$500

1

Exit, Service

50% Now

\$500

2033

* *

1

*Other Observation, Extent : Severe, Area Affected : 100%**Location : Throughout**Explanation : Broken*

Exterior Lighting

HID

50%

2023

\$16,900

10

*Other Observation, Extent : Light, Area Affected : 100%**Location : Facade**Explanation : Wall Mounted, Controlled Via Time Clock*

Incandescent

50%

2019

\$14,400

2

*Other Observation, Extent : Light, Area Affected : 100%**Location : Side Yard**Explanation : Wall Mounted*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2043

* *

1

Conversion Equipment

Steam Boiler

100%

2036

* *

1

\$8,900

Distribution

Central Plant Steam

100%

2033

* *

4

\$400

Piping/Pmp

Terminal Devices

Convactor/Radiator

100%

2028

\$44,900

1

\$2,900

Air Conditioning

Energy Source

Electricity

100%

2039

* *

1

Conversion Equipment

Window/Wall Unit

80%

2019

\$14,000

1

No Component

20%

*Other Observation, Extent : Light, Area Affected : 0%**Location : Roof**Explanation : Exterior Package Unit Abandoned In Place*

Ventilation

Distribution

Ductwork/Diffusers

100%

LIFE

* *

2-5

\$5,000

Exhaust Fans

Interior

50%

2023

\$14,900

2

\$100

Roof

50%

2019

\$7,000

2

\$100

Plumbing

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FIRE DEPARTMENT - 057
ENGINE CO. 82/LADDER CO. 31
Asset # : 13068

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
H/C Water Piping	Brass/Copper	100%			2033	**	1	
Water Heater	Gas Fired	100%			2021	\$5,100	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 -74 Gallon Units</i>								
Sanitary Piping	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)	Submersible	100%			2019	\$300	4	\$300
Backflow Preventer	No Component	95%						
	Generic	5%			2031	**	1	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Boiler Only</i>								
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System	Wet	100%			2021	\$2,100	1-3	\$4,200

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 83
Address : 618 EAST 138th STREET
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.083 / 13069 **Yr Built/Renovated** : 1905 / 2000
Area Sq Ft : 6,578 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Jul-2012 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2550 **Lot** : 28 **BIN** : 2003609

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$156,200	\$148,400
Interior Architecture		\$134,900
Electrical	\$42,100	
Mechanical		\$86,100
Total	\$198,300	\$369,400
Importance Code A	\$156,200	\$148,400
Importance Code B	\$42,100	\$127,800
Importance Code C		\$93,200
Total	\$198,300	\$369,400

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$23,800			
Interior Architecture	\$121,700			\$600
Electrical	\$10,400			\$100
Mechanical	\$45,500	\$1,000	\$1,200	\$5,100
Total	\$201,400	\$1,000	\$1,200	\$5,700
Importance Code A	\$24,400	\$700	\$700	\$700
Importance Code B	\$116,100	\$300	\$600	\$5,100
Importance Code C	\$60,900			
Total	\$201,400	\$1,000	\$1,200	\$5,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 83
Asset # : 13069

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	5%	Now	\$41,300	LIFE	**	5	\$9,100	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	75%	Now	\$114,900	LIFE	**	5	\$17,500	
<i>Painted Surfaces, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : West Facade</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Foundation</i>								
Masonry: Limestone	10%			LIFE	**	5	\$1,700	
Wood Overhead Doors	10%			2028	\$80,300	5	\$11,600	
Windows								
Aluminum	100%	Now	\$10,200	2039	**	5	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$900	
Masonry: Brick	80%			LIFE	**	5	\$1,800	
Masonry: Limestone	5%			LIFE	**	5	\$100	
Stucco Cement	10%			2028	\$6,400	5	\$600	
Roof								
Modified Bitumen	95%	Now	\$13,600	2028	\$68,100			
<i>Seams Open/Split, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Over Second Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Over Kitchen</i>								
Skylight, Metal/Glass	5%			2033	**	10	\$1,900	
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$12,300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Lally Columns And I Beams In Basement Are Shoring Up Apparatus Floor</i>								
Ceramic Tile	5%	Now	\$2,400	2032	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Toilets</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Toilets</i>								
Quarry Tile	5%			2028	\$17,600	5	\$800	
Vinyl Tile	40%			2028	\$41,800	3	\$2,300	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 83
Asset # : 13069

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	20%	Now	\$28,000	2026	\$93,200	5	\$1,500	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Apparatus Room</i>								
Masonry: Brick	25%	Now	\$32,900	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Foundation</i>								
Plaster	55%			LIFE	**	5	\$2,600	
Ceilings								
AcousTileSusp.Lay-In	10%	2-4	\$9,900	2043	**	5	\$600	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : 2nd Floor Office</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor Office</i>								
Embossed Metal	30%	Now	\$24,300	LIFE	**	5	\$1,500	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Apparatus Floor</i>								
<i>Deformed/Dented, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Apparatus Floor</i>								
Exposed Concrete	20%	Now	\$23,700	LIFE	**	5	\$400	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Steel Beams</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement Beams</i>								
Gypsum Board	10%			LIFE	**	5	\$1,400	
Plaster	30%			LIFE	**	5	\$2,100	
Site Enclosure								
Fence/Gates								
Chain link	100%			2033	**			
Free Standing Walls								
Concrete Masonry Unit	100%			2043	**			
Site Pavements								
Parking/Driveway								
Asphalt	60%			2032	**			
Cast in Place Concrete	40%			2036	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 83
Asset # : 13069

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment
Fused Disc Sw

100% 2023 \$5,300 5

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Basement**Explanation : Main Service Rated @ 200 Amperes*

Raceway

Conduit

100% 2023 \$34,200 1

Panelboards

Molded Case Bkrs

100% 2022 \$42,100 5 \$200

Wiring

Thermoplastic

100% 2023 \$30,300 1

Ground

Grounding Devices

Metal Water Pipe

100% 2-4 \$10,400 2043 * * 5 \$100

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Basement Near Water Main Service.**Explanation : Ground Clamp Rusted And Corroded Not Making Good Contact*

Lighting

Interior Lighting

Fluorescent

100% 2028 \$19,500 10 \$6,000

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Throughout The Building**Explanation : T-8 Lamps*

Exterior Lighting

HID

100% 2023 \$27,100 10

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100% 2049 * * 1

Conversion Equipment

Steam Boiler

100% 2040 * * 1 \$6,500

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 1 Natural Gas Fired Steam Boiler*

Distribution

Central Plant Steam

100% 2033 * * 4 \$300

Piping/Pmp

Terminal Devices

Convactor/Radiator

100% 2028 \$36,000 1 \$2,100

Air Conditioning

Energy Source

Electricity

100% 2031 * * 1

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 83
Asset # : 13069

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Exterior Pkg Unit - Cooling	25%	Now	\$13,600	2033	**	2	\$100
<i>Unit Inoperable, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof</i>								
	Exterior Pkg Unit - Cooling	10%			2031	**	2	
	Window/Wall Unit	40%			2019	\$5,600	1	
	No Component	25%						
Terminal Devices								
	Fan Coil - 2 Pipe	25%	Now	\$24,000	2033	**	1	\$500
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor Ceiling</i>								
	Fan Coil - 2 Pipe	10%			2031	**	1	\$200
	No Component	65%						
Ventilation								
Exhaust Fans								
	Roof	100%	Now	\$1,100	2028	\$11,200	2	\$200
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Toilet Rooms, Units Do Not Appear To Work</i>								
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2023	\$50,100	1	
Water Heater								
	Gas Fired	100%			2022	\$4,100	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units</i>								
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2019	\$200	4	\$200
Backflow Preventer								
	Generic	100%			2028	\$1,700	1	\$400
Fixtures								
	Generic	100%						

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 84
Address : 513 WEST 161st STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.084 / 13070 **Yr Built/Renovated** : 1906 /
Area Sq Ft : 11,792 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Jun-2015 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2120 **Lot** : 46 **BIN** : 1062872

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$44,500	
Total	\$44,500	
Importance Code A	\$44,500	
Total	\$44,500	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$12,000		\$14,200	\$200
Interior Architecture	\$41,300	\$500	\$900	\$1,000
Electrical	\$33,700		\$1,700	
Mechanical	\$2,200	\$2,300	\$31,400	\$2,000
Total	\$89,200	\$2,700	\$48,200	\$3,200
Importance Code A	\$13,200	\$1,200	\$15,400	\$1,300
Importance Code B	\$72,800	\$1,100	\$32,800	\$1,800
Importance Code C	\$3,300	\$500		
Total	\$89,200	\$2,700	\$48,200	\$3,200



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 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 84
Asset # : 13070

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	65%			LIFE	**	5	\$8,700	
Masonry: Limestone	25%	Now	\$44,500	LIFE	**	5	\$2,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Adjacent To Overhead Doors</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Street Facade</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Front Facade At 1st Floor</i>								
Wood Overhead Doors	10%	Now	\$4,600	2031	**	5	\$3,400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 15%</i>								
<i>Location : Main Access Door Hardware</i>								
<i>Deteriorated Finish, Extent : Light, Area Affected : 15%</i>								
<i>Location : Base Of Doors</i>								
Windows								
Aluminum	100%			2042	**	5	\$300	
Parapets								
Masonry: Brick	60%			LIFE	**	5	\$1,000	
Metal Cornice	25%			2061	**	10	\$1,400	
Stucco Cement	15%	Now	\$7,300	2046	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Located Behind Front Facade</i>								
Roof								
Modified Bitumen	90%			2031	**	10	\$12,800	
<i>Blisters, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	10%			2046	**	10	\$4,700	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$5,600	LIFE	**	5	\$21,500	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Epoxy Paint Finish At Apparatus Floor</i>								
Ceramic Tile	5%	Now	\$400	2035	**	5	\$500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : First Floor Bathroom</i>								
Vinyl Tile	40%	Now	\$1,500	2031	**	3	\$2,900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : 3rd Floor</i>								
Wood	5%			2041	**	5	\$1,800	

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FIRE DEPARTMENT - 057
ENGINE CO. 84
Asset # : 13070

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Interior

Interior Walls

Ceramic Tile	5%			2035	**	5	\$900	
Masonry: Brick	20%			LIFE	**			
Plaster	40%	Now	\$3,300	LIFE	**	5	\$2,300	

Cracking/Crumbling, Extent : Moderate, Area Affected : 15%

Location : Hose Drying Rack/ Bulkhead At Roof Level

SGFT/Glazed Masonry	35%			LIFE	**			
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Ceilings

AcousTileSusp.Lay-In	5%			2039	**	5	\$1,000	
Embossed Metal	30%			LIFE	**	5	\$2,700	
Exposed Concrete	20%	Now	\$27,600	LIFE	**	5	\$600	

Cracking/Crumbling, Extent : Moderate, Area Affected : 30%

Location : Basement

Plaster	45%	Now	\$2,500	LIFE	**	5	\$5,500	
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Paint Peeling, Extent : Light, Area Affected : 10%

Location : Throughout Third Floor

Water Penetration, Extent : Light, Area Affected : 5%

Location : 3rd Floor Gymnasium

Electrical		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2026		5	\$100	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : 200 Amperes

Raceway

Conduit	100%			2036	**	1		
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Panelboards

Molded Case Bkrs	20%			2042	**	5	\$100	
Molded Case Bkrs	80%	0-2	\$33,600	2051	**	5	\$100	

On Extended Life, Extent : Light, Area Affected : 100%

Location : Throughout The Building

Wiring

Thermoplastic	100%			2036	**	1		
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Motor Controllers

Locally Mounted	100%			2024		5	\$100	
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$200	
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Lighting

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FIRE DEPARTMENT - 057
ENGINE CO. 84
Asset # : 13070

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	78%			2026	\$27,200	10	\$8,400	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Incandescent	2%			2021	\$1,600	2		
LED	20%			2034	**			
Exterior Lighting								
HID	100%			2031	**	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2046	**	1		
Conversion Equipment Steam Boiler	100%			2039	**	1	\$11,700	
Distribution Central Plant Steam Piping/Pmp	100%			2036	**	4	\$900	
Terminal Devices Convactor/Radiator	100%			2031	**	1	\$3,800	
Air Conditioning								
Energy Source Electricity	100%			2042	**	1		
Conversion Equipment Exterior Pkg Unit - Cooling	20%			2031	**	2	\$100	
Window/Wall Unit	80%			2021	\$20,100	1		
Distribution Ductwork/Diffusers No Component	20%			LIFE	**	2	\$3,100	
	80%							
Ventilation								
Distribution Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,600	
Exhaust Fans								
Roof	20%			2026	\$4,000	2	\$100	
Wall Unit	80%			2026	\$3,400	2	\$300	
Plumbing								
H/C Water Piping Brass/Copper	100%			2046	**	1		
Water Heater Gas Fired	100%			2021	\$7,300	2	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 75 Gallon Units</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 84
Asset # : 13070

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sanitary Piping							
	Cast Iron	50%			LIFE	**	1	
	Cast Iron	50%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	50%			2019	\$200	4	\$200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Serves 1 Side Of Basement Only</i>					
	No Component	50%						
	Backflow Preventer							
	Generic	100%			2031	**	1	\$700
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st Floor</i>					
			<i>Explanation : Piped From Basement Up To 1st Floor</i>					
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	Generic	100%			2024	\$2,100	1-3	\$3,700

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 88
Address : 2223 BELMONT AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.088 / 13071 **Yr Built/Renovated** : 1908 /
Area Sq Ft : 12,600 **Project Type** : FIRE DEPARTMENT
Date of Survey : 19-Jun-2015 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 3086 **Lot** : 38 **BIN** : 2086781

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$57,100
Interior Architecture	\$151,400	
Electrical		\$115,500
Total	\$151,400	\$172,600
Importance Code A		\$57,100
Importance Code B	\$151,400	\$115,500
Total	\$151,400	\$172,600

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$32,600			\$1,800
Interior Architecture	\$45,100	\$3,400	\$1,900	
Electrical	\$12,100	\$100	\$200	\$100
Mechanical	\$2,000	\$2,800	\$19,200	\$1,900
Total	\$91,800	\$6,200	\$21,300	\$3,800
Importance Code A	\$33,900	\$1,200	\$1,200	\$3,000
Importance Code B	\$51,600	\$3,400	\$20,100	\$800
Importance Code C	\$6,300	\$1,600		
Total	\$91,800	\$6,200	\$21,300	\$3,800



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FIRE DEPARTMENT - 057
ENGINE CO. 88
Asset # : 13071

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%			LIFE	**	5	\$30,500	
Masonry: Granite	3%			LIFE	**	5	\$900	
Masonry: Limestone	10%			LIFE	**	5	\$2,900	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Facade, 3rd Floor.</i>								
Metal Sect. OHD	7%			2039	**	5	\$8,300	
Windows								
Aluminum	100%			2042	**	5	\$3,500	
Parapets								
Masonry: Brick	80%	Now	\$27,600	LIFE	**	5	\$2,400	
<i>Spalling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Main Roof</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Main Roof</i>								
Masonry: Limestone	20%			LIFE	**	5	\$800	
<i>Staining/Discoloring, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout.</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
Roof								
Asphalt Shingle	10%			2029	**	10	\$200	
Built-Up (BUR)	20%	Now	\$600	2026			\$12,800	
<i>Debris on Roof, Extent : Light, Area Affected : 2%</i>								
<i>Location : Main Roof.</i>								
<i>Miss/Damaged Flashings, Extent : Light, Area Affected : 5%</i>								
<i>Location : Main Roof Bulkhead Door Saddle</i>								
Modified Bitumen	70%			2026	\$57,100	10	\$9,800	
<i>Alligatoring, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout Seams.</i>								
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$23,500	LIFE	**	5	\$16,500	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor.</i>								
Ceramic Tile	15%			2035	**	5	\$2,800	
Vinyl Tile	15%			2026	\$24,000	3	\$1,100	
Wood	30%			2054	**	5	\$10,600	

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 88
Asset # : 13071

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	10%			2035	**	5	\$3,200	
Gypsum Board	15%			LIFE	**	5	\$2,800	
Masonry: Brick	20%			LIFE	**			
Marble Panels	20%			LIFE	**			
Plaster	25%	Now	\$6,300	LIFE	**	5	\$2,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Hose Tower</i>								
SGFT/Glazed Masonry	10%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	20%			2031	**	5	\$3,800	
Embossed Metal	30%	Now	\$9,900	LIFE	**	5	\$2,500	
<i>Bent/Warped Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus</i>								
<i>Broken/Missing Elements, Extent : Light, Area Affected : 15%</i>								
<i>Location : Apparatus Floor And Hose Tower</i>								
Exposed Concrete	25%	Now	\$151,400	LIFE	**	5	\$700	
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Concrete Missing, Exposing Beams In Basement Ceiling, Shoring Erected Throughout.</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Basement.</i>								
<i>Spalling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Basement Ceiling Under Jack Hoists</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement.</i>								
<i>Explanation : Structurally Insufficient</i>								
Plaster	25%			LIFE	**	5	\$2,900	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2026	\$4,800	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 100 Amperes Service Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2026	\$48,800	5	\$300	
Raceway								
Conduit	100%			2026	\$31,300	1		
Panelboards								
Molded Case Bkrs	50%			2042	**	5	\$200	
Molded Case Bkrs	50%			2025	\$19,200	5	\$200	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 88
Asset # : 13071

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Wiring								
Thermoplastic	100%			2026	\$27,700	1		
Ground								
Grounding Devices								
Generic	100%	Now	\$1,900	LIFE		**	5	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Ground Wire Not Connected To Water Pipe.</i>								
Lighting								
Interior Lighting								
Fluorescent	70%			2026	\$23,900	10		\$8,100
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	30%	0-2	\$10,200	2036		**		
<i>Inadequate Lighting Level, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Exterior Lighting								
HID	100%			2026	\$47,500	10		
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2046		**	1	
Conversion Equipment								
Furnace	5%			2031		**	1	\$300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Engine Bays</i>								
<i>Explanation : 2 - Gas Fired Unit Heaters</i>								
Steam Boiler	95%			2039		**	1	\$11,900
Distribution								
Central Plant Steam Piping/Pmp	100%			2036		**	4	\$900
Terminal Devices								
Convactor/Radiator	100%			2031		**	1	\$4,100
Air Conditioning								
Energy Source								
Electricity	100%			2042		**	1	
Conversion Equipment								
Split Unit	20%			2031		**		
Window/Wall Unit	65%			2021	\$16,000	1		
No Component	15%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE		**	2-5	\$7,000

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 88
Asset # : 13071

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
	Exhaust Fans							
	Interior	100%			2031	**	2	\$400
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2046	**	1	
	Water Heater							
	Gas Fired	100%			2024	\$7,200	2	\$200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 1 - 75 Gallon Unit</i>					
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2020	\$400	4	\$400
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	Generic	100%			2024	\$1,900	1-3	\$3,700

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 89 / LADDER CO. 50
Address : 2924 BRUCKNER BOULEVARD BTWN E. TREMONT AVE - EDISON AVE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.089 / 13072 **Yr Built/Renovated** : 1926 /
Area Sq Ft : 4,930 **Project Type** : FIRE DEPARTMENT
Date of Survey : 01-Apr-2013 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5419 **Lot** : 125 **BIN** : 2076433

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$6,200			\$3,700
Interior Architecture	\$83,400			\$500
Electrical				
Mechanical	\$28,200	\$700	\$700	\$3,600
Site Enclosure	\$2,900			
Site Pavements	\$3,500			
Total	\$124,300	\$700	\$700	\$7,800
Importance Code A	\$7,700	\$500	\$500	\$4,200
Importance Code B	\$71,600	\$200	\$200	\$3,600
Importance Code C	\$45,000			
Total	\$124,300	\$700	\$700	\$7,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 89 / LADDER CO. 50
Asset # : 13072

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	2%			2044	**	10	\$100	
Masonry: Brick	80%			LIFE	**	5	\$14,700	
Masonry: Granite	5%			LIFE	**	5	\$700	
Masonry: Limestone	5%			LIFE	**	5	\$700	
Wood Overhead Doors	8%			2037	**	5	\$7,400	
Windows								
Aluminum	100%	0-2	\$1,900	2040	**	5	\$200	
<i>Hardware Missing, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$2,000	
Masonry: Brick	75%			LIFE	**	5	\$1,000	
Masonry: Limestone	5%			LIFE	**	5	\$100	
Roof								
Built-Up (BUR)	98%	0-2	\$1,800	2029	**			
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	2%	0-2	\$2,400	2044	**			
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	85%			LIFE	**	5	\$16,100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Explanation : Steel Columns In Basement Are Shoring Up Apparatus Floor</i>								
Ceramic Tile	5%	0-2	\$2,500	2033	**	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	5%	0-2	\$1,100	2029	**	3	\$200	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Wood	5%			2052	**	5	\$800	

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Estimates are rounded to the nearest hundred dollars.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 89 / LADDER CO. 50
Asset # : 13072

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Cast in Place Concrete	20%	0-2	\$12,500	LIFE	**			
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Gypsum Board	10%	2-4	\$400	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Marble Panels	5%			LIFE	**			
Plaster	35%	0-2	\$2,800	LIFE	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
SGFT/Glazed Masonry	30%	0-2	\$22,900	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceilings								
AcousTileSusp.Lay-In	5%	0-2	\$1,400	2029	**	5	\$200	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Exposed Concrete	30%	0-2	\$25,100	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Plaster	65%	0-2	\$14,800	LIFE	**	5	\$3,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Site Enclosure								
Fence/Gates								
Chain link	100%	0-2	\$2,900	2044	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Retaining Walls								
Masonry: Fieldstone	100%			2044	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	0-2	\$3,500	2037	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Parking/Driveway								
Cast in Place Concrete	100%			2037	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 89 / LADDER CO. 50
Asset # : 13072

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment Fused Disc Sw	100%			2034	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 200 Amperes</i>								
Raceway Conduit	100%			2034	**	1		
Wiring Thermoplastic	100%			2034	**	1		
Motor Controllers Locally Mounted	100%			2029	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Boiler Room</i>								
<i>Explanation : Controls For Heating System</i>								
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Main</i>								
Lighting								
Interior Lighting Fluorescent	100%			2024	\$13,400	10	\$4,500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-8 Lamps Installed</i>								
Exterior Lighting HID	100%			2024	\$18,600	10		
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Natural Gas	100%			2044	**	1		
Conversion Equipment Steam Boiler	100%	Now	\$1,500	2037	**	1	\$4,400	
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Boiler</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 89 / LADDER CO. 50
Asset # : 13072

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Central Plant Steam Piping/Pmp	100%	Now	\$15,600	2044	**	4	\$200	
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Terminal Devices								
Convactor/Radiator	100%	Now	\$500	2029	**	1	\$1,400	
<i>Leak Evident, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Storage Room, Locker Room</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2046	**	1		
Conversion Equipment								
Window/Wall Unit	75%			2019		1	\$7,200	
No Component	25%							
Ventilation								
Exhaust Fans								
Interior	100%			2024		2	\$16,400	\$200
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2029	**	1		
Water Heater								
Gas Fired	100%	Now	\$100	2022	\$2,800	2	\$100	
<i>Malfunctioning, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 - 75 Gallon Unit</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%	Now	\$200	LIFE	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Basement</i>								
<i>Explanation : Backs Up With A Heavy Rain</i>								
Sump Pump(s)								
Submersible	100%	Now	\$200	2019	\$200	4	\$100	
<i>Obsolete Equipment, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fixtures								
Generic	100%							
<i>Obsolete Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fire Suppression								

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FIRE DEPARTMENT - 057
ENGINE CO. 89 / LADDER CO. 50
Asset # : 13072

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Chemical System							
	Dry	10%	Now	\$2,600	2024	\$2,600	1-3	\$300
		<i>Other Observation, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : Obsolete</i>						
	No Component	80%						
	Generic	10%			2019	\$200	1-3	\$400
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Fire Extinguishers</i>						

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 9 /LADDER CO. 6
Address : 75 CANAL STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.009 / 13008 **Yr Built/Renovated** : 1969 / 2008
Area Sq Ft : 6,413 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Apr-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 300 **Lot** : 30 **BIN** : 1003898

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$56,400	\$67,300
Electrical		\$48,800
Total	\$56,400	\$116,100
Importance Code A	\$56,400	\$67,300
Importance Code B		\$48,800
Total	\$56,400	\$116,100

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$13,500	\$36,600		\$7,800
Interior Architecture	\$1,600	\$500	\$700	\$23,800
Electrical	\$15,700	\$100		\$26,200
Mechanical	\$1,800	\$6,100	\$1,700	\$8,400
Total	\$32,500	\$43,400	\$2,400	\$66,300
Importance Code A	\$13,800	\$36,900	\$300	\$8,100
Importance Code B	\$18,700	\$6,500	\$1,700	\$58,100
Importance Code C			\$400	
Total	\$32,500	\$43,400	\$2,400	\$66,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 9 /LADDER CO. 6
Asset # : 13008

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	5%			LIFE	**	5	\$5,200	
Masonry: Brick	50%			LIFE	**	5	\$10,400	
Metal Coiling Doors	5%			2040	**	5	\$3,300	
Metal: Cage/Fence	15%			2040	**	5	\$13,600	
Marble Panels	10%			LIFE	**	5	\$1,600	
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 1%</i>								
<i>Location : Adjacent To Overhead Door</i>								
Wood	15%			2032	**	5	\$15,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Addition/ Extension At Rear Of Building</i>								
<i>Explanation : Wood Panel Walls</i>								
Windows								
Aluminum	100%	Now	\$56,400	2052	**	5	\$700	
<i>Air Infiltration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Hardware Missing, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Thermally Inefficient</i>								
Parapets								
Metal Rail	100%			2040	**	5-10	\$46,400	
Roof								
Modified Bitumen	100%	Now	\$13,500	2027			\$67,300	
<i>Alligatoring, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$11,700	
Ceramic Tile	5%			2036	**	5	\$500	
Terrazzo	5%			LIFE	**	5	\$400	
Vinyl Tile	20%			2032	**	3	\$800	
Vinyl Tile 9" X 9"	20%			2022		3	\$1,100	
Interior Walls								
Ceramic Tile	5%			2036	**	5	\$800	
Gypsum Board	25%			LIFE	**	5	\$2,500	
Plaster	25%			LIFE	**	5	\$1,300	
<i>Patching Evident, Extent : Light, Area Affected : 1%</i>								
<i>Location : 2nd Floor Locker Room Area</i>								
SGFT/Glazed Masonry	45%			LIFE	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 9 /LADDER CO. 6
Asset # : 13008

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Interior

Ceilings

AcousTileSusp.Lay-In	5%	Now	\$1,300	2040	**	5	\$300	
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*Broken/Missing Elements, Extent : Moderate, Area Affected : 40%**Location : Basement**Water Penetration, Extent : Moderate, Area Affected : 10%**Location : Basement*

AcousTileSusp.Lay-In	5%			2040	**	5	\$500	
Exposed Concrete	45%			LIFE	**	5	\$800	
Gypsum Board	20%			LIFE	**	5	\$2,700	
Plaster	25%			LIFE	**	5	\$1,700	

*Staining/Discoloring, Extent : Light, Area Affected : 15%**Location : Apparatus Floor Area*

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2032	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2027	\$4,800	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : Electrical Service, Rated 400 Amperes*

Switchgear / Switchboard

Molded Case Bkrs	100%			2027	\$48,800	5	\$200	
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Raceway

Conduit	100%			2027	\$31,300	1		
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Panelboards

Molded Case Bkrs	100%			2035	**	5	\$200	
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Wiring

Braided Cloth	40%	2-4	\$11,100	2052	**	1		
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Throughout**Explanation : Insulation Aged*

Thermoplastic	60%			2047	**	1		
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Motor Controllers

Locally Mounted	100%			2025	\$14,400	5		
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Ground

Grounding Devices

Generic	100%	Now	\$1,000	LIFE	**	5	\$100	
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Basement**Explanation : There Is No Ground Wire Jumping The Water Meter.*

Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 9 /LADDER CO. 6
Asset # : 13008

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	70%			2022	\$12,200	10	\$4,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Old Fixtures: T-8 And T-12</i>								
Incandescent	20%			2027	\$8,200	2		
Incandescent	5%			2022	\$2,100	2		
LED	5%			2032	**			
Egress Lighting								
Exit, Service	50%			2022	\$400	1		
Exit, Battery	50%			2022	\$1,200	10	\$200	
Exterior Lighting								
HID	25%			2022	\$6,000	10		
HID	75%	Now	\$3,600	2037	**			
<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Building Facade</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2047	**	1		
Conversion Equipment Hot Water Boiler	100%			2040	**	1	\$3,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution Hot Wtr Piping/Pump	100%			2026	\$9,300	4	\$300	
Terminal Devices Convactor/Radiator	80%			2025	\$25,700	1	\$1,700	
Unit Heater - Steam	20%			2027	\$4,300	4	\$200	
Air Conditioning								
Energy Source Electricity	100%			2035	**	1		
Conversion Equipment Exterior Pkg Unit - Cooling	15%			2022	\$7,300	2	\$100	
Window/Wall Unit	45%			2020	\$5,600	1		
No Component	40%							
Distribution Ductwork/Diffusers	50%			LIFE	**	2	\$4,200	
No Component	50%							
Ventilation								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 9 /LADDER CO. 6
Asset # : 13008

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Distribution								
Ductwork/Diffusers	25%			LIFE	**	2-5	\$900	
No Component	75%							
Exhaust Fans								
Roof	20%	Now	\$1,000	2027	\$2,000	2		
			<i>Noisy/Vibrating, Extent : Moderate, Area Affected : 30%</i>					
			<i>Location : Roof</i>					
			<i>Not in Service, Extent : Light, Area Affected : 50%</i>					
			<i>Location : Roof</i>					
Wall Unit	10%			2022	\$200	2		
No Component	70%							
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2032	**	1		
Water Heater								
Gas Fired	100%			2025	\$3,700	2	\$100	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Boiler Room</i>					
			<i>Explanation : 2 Units 74 Gallon</i>					
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%	Now	\$200	2022	\$200	4	\$100	
			<i>Unit Inoperable, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	10%			2025	\$200	1-3	\$500	
No Component	90%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 90/LADDER CO. 41
Address : 1843 WHITE PLAINS ROAD
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.090 / 13073 **Yr Built/Renovated** : 1909 / 2003
Area Sq Ft : 12,520 **Project Type** : FIRE DEPARTMENT
Date of Survey : 19-Jun-2015 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 4049 **Lot** : 49 **BIN** : 2043470

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Interior Architecture	\$71,600	
Electrical	\$48,800	
Mechanical		\$41,700
Total	\$120,400	\$41,700
Importance Code B	\$120,400	\$41,700
Total	\$120,400	\$41,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$28,100			\$200
Interior Architecture	\$57,400		\$900	\$1,100
Electrical	\$35,600		\$13,500	
Mechanical	\$1,900	\$2,900	\$21,700	\$2,000
Total	\$123,100	\$2,900	\$36,200	\$3,300
Importance Code A	\$34,100	\$1,200	\$1,200	\$1,400
Importance Code B	\$44,100	\$1,600	\$35,000	\$1,900
Importance Code C	\$44,800			
Total	\$123,100	\$2,900	\$36,200	\$3,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 90/LADDER CO. 41
Asset # : 13073

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	65%			LIFE	**	5	\$23,700	
<i>Recent Repair Evident, Extent : Light, Area Affected : 30%</i>								
<i>Location : Front Facade</i>								
Masonry: Granite	7%			LIFE	**	5	\$1,900	
Masonry: Limestone	7%	Now	\$5,600	LIFE	**	5	\$1,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front Facade</i>								
Masonry: Limestone	8%			LIFE	**	5	\$2,200	
Stucco Cement	3%			2043	**	5	\$2,700	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Facade</i>								
Wood Overhead Doors	10%			2039	**	5	\$18,200	
Windows								
Aluminum	100%			2034	**	5	\$3,000	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,700	
Masonry: Brick	85%			LIFE	**	5	\$1,800	
Metal Panel	5%			2052	**	5	\$400	
Roof								
Asphalt Shingle	10%	0-2	\$1,600	2029	**			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Low Roof Over Dining Area (At Skylight) And Kitchen</i>								
Built-Up (BUR)	15%	Now	\$10,300	2036	**			
<i>Patching Evident, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Low Roof Over Dining Area</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Low Roof Over Dining Area</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Low Roof Over Dining Area</i>								
Modified Bitumen	70%			2034	**	10	\$10,600	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
Skylight, Metal/Glass	5%			2036	**	10	\$2,500	

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 90/LADDER CO. 41
Asset # : 13073

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$16,400	
Ceramic Tile	10%			2039	**	5	\$1,900	
Terrazzo	5%			LIFE	**	5	\$700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Terrazzo On Stair Treads</i>								
Vinyl Tile	45%	Now	\$71,600	2036	**	3	\$3,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout.</i>								
<i>Uneven Substrate, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor Bunk Room</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout.</i>								
Interior Walls								
Ceramic Tile	5%			2039	**	5	\$1,300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout Bathrooms</i>								
Gypsum Board	15%			LIFE	**	5	\$2,300	
Plaster	45%	Now	\$9,300	LIFE	**	5	\$3,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd And 3rd Floor By Storm Leader Located At Front Of Building</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Both Exercise Rooms</i>								
SGFT/Glazed Masonry	35%	Now	\$34,900	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor.</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor.</i>								
Ceilings								
AcousTileSusp.Lay-In	10%			2031	**	5	\$1,900	
Embossed Metal	30%			LIFE	**	5	\$2,500	
Exposed Concrete	30%			LIFE	**	5	\$900	
Gypsum Board	10%	Now	\$1,900	LIFE	**	5	\$2,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Dining Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Dining Room</i>								
Plaster	20%	Now	\$9,800	LIFE	**	5	\$2,300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 2%</i>								
<i>Location : All Three Floors By Storm Leader At Front Of Building.</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Dormitory, Locker Room.</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd And 3rd Floor By Storm Drain Leader Located At Front Of Building</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 90/LADDER CO. 41
Asset # : 13073

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%	0-2	\$4,800	2056	**	5	\$200	
<i>On Extended Life, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 400 Amperes Service</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%	0-2	\$48,800	2056	**	5	\$200	
<i>On Extended Life, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Raceway								
Conduit	80%			2026	\$25,000	1		
Conduit	20%			2046	**	1		
Panelboards								
Molded Case Bkrs	20%			2042	**	5	\$100	
Molded Case Bkrs	80%	0-2	\$30,800	2051	**	5	\$100	
<i>On Extended Life, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Wiring								
Thermoplastic	100%			2026	\$27,700	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	97%			2031	**	10	\$11,100	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Incandescent	3%			2021	\$2,400	2		
Exterior Lighting								
HID	50%			2026	\$23,600	10		
No Component	50%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2046	**	1		
Conversion Equipment								
Steam Boiler	100%			2039	**	1	\$12,400	
Distribution								
Central Plant Steam Piping/Pmp	100%			2036	**	4	\$900	

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 90/LADDER CO. 41
Asset # : 13073

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Terminal Devices								
Convactor/Radiator	100%			2031	**	1	\$4,000	
Air Conditioning								
Energy Source								
Electricity	100%			2042	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	5%			2031	**	2		
		<i>R-134a Refrigerant, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Serves Kitchen Only</i>						
Window/Wall Unit	75%			2021	\$18,300	1		
No Component	20%							
Distribution								
Ductwork/Diffusers	5%			LIFE	**	2	\$800	
No Component	95%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$7,000	
Exhaust Fans								
Interior	100%			2026	\$41,700	2	\$400	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		
Water Heater								
Gas Fired	100%			2024	\$7,100	2	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 - 75 Gallon Units</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2020	\$400	4	\$400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 - Heavy Duty Duplex Units Used With Under Floor Drainage System</i>						
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2024	\$1,900	1-3	\$3,700	

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 91
Address : 240-244 EAST 111th STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.091 / 13074 **Yr Built/Renovated** : 1912 /
Area Sq Ft : 12,298 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Jun-2015 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 1660 **Lot** : 30 **BIN** : 1052473

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Interior Architecture	\$249,100	
Electrical		\$38,500
Mechanical	\$177,900	
Total	\$427,000	\$38,500
Importance Code A	\$74,400	
Importance Code B	\$313,900	\$38,500
Importance Code C	\$38,600	
Total	\$427,000	\$38,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$39,500			
Interior Architecture	\$73,900			\$1,000
Electrical	\$25,500	\$300	\$14,100	\$200
Mechanical	\$43,000	\$1,600	\$3,600	\$1,700
Total	\$181,900	\$1,900	\$17,700	\$2,900
Importance Code A	\$39,500	\$1,200	\$1,200	\$1,200
Importance Code B	\$119,300	\$700	\$16,400	\$1,700
Importance Code C	\$23,100			
Total	\$181,900	\$1,900	\$17,700	\$2,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 91
Asset # : 13074

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%			LIFE	**	5	\$10,900	
Masonry: Limestone	10%			LIFE	**	5	\$1,000	
<i>Staining/Discoloring, Extent : Light, Area Affected : 15%</i>								
<i>Location : Front Facade Above 3rd Floor</i>								
Wood Overhead Doors	10%			2039	**	5	\$6,800	
Windows								
Aluminum	100%	2-4	\$2,800	2042	**	5	\$200	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 1st Floor Apparatus Room</i>								
Parapets								
Cast Stone/Terra Cotta	10%	2-4	\$400	LIFE	**	5	\$1,100	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Various Locations</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
Masonry: Brick	90%	0-2	\$3,800	LIFE	**	5	\$1,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Various Locations</i>								
<i>Efflorescence, Extent : Light, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
Roof								
Built-Up (BUR)	100%	Now	\$29,100	2034	**			1
<i>Drains Clogged, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
<i>Grvl/Blst Miss/Disp, Extent : Light, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
<i>Ponding, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Near Roof Drains</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Third Floor At Bulkhead, Second Floor Extension To 240, Kitchen</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 91
Asset # : 13074

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior Floors								
Cast in Place Concrete	40%	Now	\$49,800	LIFE	**	5	\$17,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Apparatus Room Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Apparatus Room</i>								
<i>Explanation : Structurally Insufficient</i>								
Ceramic Tile	10%	2-4	\$3,900	2035	**	5	\$1,000	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 72%</i>								
<i>Location : Toilets And Showers Throughout</i>								
Quarry Tile	10%	0-2	\$5,700	2039	**	5	\$1,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Kitchen</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 75%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	40%	Now	\$20,400	2031	**	3	\$3,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd And 3rd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : 2nd And 3rd Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 91
Asset # : 13074

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	10%	0-2	\$1,100	2035	**	5	\$1,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Gypsum Board	10%	0-2	\$400	LIFE	**	5	\$1,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Gymnasium</i>								
Masonry: Brick	25%	Now	\$38,600	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 75%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Basement</i>								
Plaster	30%	Now	\$2,400	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Various Locations On 2nd And 3rd Floors</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 40%</i>								
<i>Location : Various Locations On 2nd And 3rd Floors</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Rear Wall Of 240 (Now Vacant)</i>								
SGFT/Glazed Masonry	25%	0-2	\$19,200	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 91
Asset # : 13074

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	1%	Now		2039	**	5	\$100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 85%</i>								
<i>Location : Pantry</i>								
Exposed Concrete	25%	Now	\$160,600	LIFE	**	5	\$800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Structurally Insufficient</i>								
Gypsum Board	10%	Now	\$4,000	LIFE	**	5	\$2,500	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 40%</i>								
<i>Location : 2nd Floor Corridor</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Toilets</i>								
Plaster	64%	Now	\$16,800	LIFE	**	5	\$8,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 3rd Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 3rd Floor</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Not Accessible	100%							
Raceway								
Conduit	100%			2026	\$31,300	1		
Panelboards								
Molded Case Bkrs	100%			2025	\$38,500	5	\$300	
<i>Obsolete Equipment, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout Firehouse</i>								
Wiring								
Thermoplastic	100%			2026	\$27,700	1		
Motor Controllers								
Locally Mounted	100%			2024	\$14,400	5	\$100	

Ground

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FIRE DEPARTMENT - 057
ENGINE CO. 91
Asset # : 13074

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Ground

Grounding Devices Not Accessible	100%							
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Lighting

Interior Lighting Fluorescent	100%			2026	\$33,300	10	\$11,300	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Exterior Lighting HID	30%			2021	\$13,900	10		
No Component	70%							

Alarm

Fire/Smoke Detection No Component	80%							
Generic, Analog	20%	0-2	\$25,400	2036	**	1-3	\$1,400	
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source Natural Gas	100%			2052	**	1		
Conversion Equipment Steam Boiler	100%	2-4	\$74,400	2046	**	1	\$11,000	
<i>Corroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								

Distribution Central Plant Steam Piping/Pmp	100%	4+	\$19,500	2046	**	4	\$600	
<i>Insul. Deteriorating, Extent : Light, Area Affected : 40%</i>								
<i>Location : Basement</i>								

Terminal Devices Convactor/Radiator	90%	2-4	\$5,500	2039	**	1	\$3,200	
<i>Damaged, Extent : Light, Area Affected : 30%</i>								
<i>Location : Radiator Covers</i>								
Unit Heater - Steam	10%			2031	**	4	\$200	

Air Conditioning

Energy Source Electricity	100%			2042	**	1		
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FIRE DEPARTMENT - 057
ENGINE CO. 91
Asset # : 13074

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Split Unit	25%			2021	\$61,400		
	Window/Wall Unit	25%	4+	\$1,200	2024	\$6,000	1	
<i>On Extended Life, Extent : Light, Area Affected : 30%</i>								
<i>Location : Various Location Throughout</i>								
	No Component	50%						
Distribution								
	Ductwork/Diffusers	25%			LIFE	**	2	\$4,000
	No Component	75%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,900
Exhaust Fans								
	Interior	50%			2031	**	2	\$200
<i>Abandoned in Place, Extent : Light, Area Affected : 20%</i>								
<i>Location : Kitchen Hood Fan</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen Hood</i>								
<i>Explanation : No System</i>								
	Roof	50%	2-4	\$9,500	2036	**	2	\$200
<i>On Extended Life, Extent : Light, Area Affected : 30%</i>								
<i>Location : Roof</i>								
Plumbing								
H/C Water Piping								
	Galvanized Steel	100%			2031	**	1	
Water Heater								
	Gas Fired	100%			2024	\$7,000	2	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 - 75 Gallon Unit</i>								
Sanitary Piping								
	Cast Iron	100%	0-2	\$42,100	LIFE	**	1	
<i>Corroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Basement</i>								
Storm Drain Piping								
	Cast Iron	100%	2-4	\$7,200	LIFE	**	1	
<i>Corroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
Sump Pump(s)								
	Non-Submersible	100%			2026	\$1,800	4	\$300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : 1 Unit On Each Side</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 91
Asset # : 13074

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component	% of	Fail Date	Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost
Type		Total	(Years)		FY		(Yrs)	
Plumbing								
	Backflow Preventer							
	No Component	95%						
	Generic	5%			2034	**	1	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Serves Boiler Only</i>						
Fixtures								
	Generic	100%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 92/LADDER CO. 44
Address : 1259 MORRIS AVENUE BTWN: E.168 ST. - E.169 ST.
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.092 / 13075 **Yr Built/Renovated** : 1912 /
Area Sq Ft : 10,623 **Project Type** : FIRE DEPARTMENT
Date of Survey : 03-May-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2450 **Lot** : 40 **BIN** : 2096490

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$59,400
Interior Architecture		\$54,000
Electrical		\$15,400
Total		\$128,800
Importance Code A		\$59,400
Importance Code B		\$69,400
Total		\$128,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$58,600	\$1,400		\$13,200
Interior Architecture	\$75,300	\$400	\$500	\$5,000
Electrical	\$3,700	\$2,600	\$800	\$7,400
Mechanical	\$11,300	\$1,900	\$2,400	\$4,000
Total	\$148,800	\$6,300	\$3,800	\$29,600
Importance Code A	\$59,200	\$1,900	\$500	\$13,700
Importance Code B	\$55,600	\$4,300	\$2,700	\$15,800
Importance Code C	\$34,000		\$500	
Total	\$148,800	\$6,300	\$3,800	\$29,600



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FIRE DEPARTMENT - 057
ENGINE CO. 92/LADDER CO. 44
Asset # : 13075

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%			LIFE	**	5	\$26,900	
Masonry: Granite	4%			LIFE	**	5	\$1,200	
Masonry: Limestone	10%	0-2	\$23,200	LIFE	**	5	\$2,900	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Street Facade</i>								
Metal Panel	5%			2037	**	5-10	\$13,200	
Weathering Steel	1%			LIFE	**	1		
Wood Overhead Doors	10%			2032	**	5	\$19,200	
Windows								
Aluminum	100%			2035	**	5	\$2,800	
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$4,300	LIFE	**	5	\$2,100	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Cornice Joints - Street Facade</i>								
Masonry: Brick	65%	Now	\$10,300	LIFE	**	5	\$1,800	
<i>Vegetation Growth, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Underside Of Coping</i>								
Metal Rail	15%			2044	**	5-10	\$7,500	
No Component	10%							
Roof								
Modified Bitumen	100%	Now	\$17,800	2027			\$59,400	
<i>Blisters, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor Roof</i>								
<i>Debris Present, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor Roof</i>								
<i>Drains Inad/Misposn, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Third Floor Locker Room</i>								

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 92/LADDER CO. 44
Asset # : 13075

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$19,800	LIFE	**	5	\$13,900	
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : At Waste/ Sewer Line Backup, Sidewalk Vault, And Hot Water Heater - Basement</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	5%			2030	**	5	\$800	
Quarry Tile	5%			2032	**	5	\$1,200	
Sheet Vinyl/Rubber	10%			2032	**	5	\$2,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Third Floor Gymnasium</i>								
<i>Explanation : Interlocking Rubber Tile</i>								
Vinyl Tile	40%	2-4	\$16,200	2027	\$54,000	3	\$2,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Second And Third Floors</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Second And Third Floors</i>								
Interior Walls								
Ceramic Tile	5%			2036	**	5	\$1,100	
Gypsum Board	50%			LIFE	**	5	\$6,600	
Masonry: Brick	20%	0-2	\$34,000	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement Sidewalk Vaults</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Sidewalk Vault</i>								
Plaster	5%			LIFE	**	5	\$300	
SGFT/Glazed Masonry	20%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	30%			2032	**	5	\$4,800	
Exposed Struc: Steel	25%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Below Apparatus Floor</i>								
<i>Explanation : Actually Metal Decking</i>								
Gypsum Board	20%			LIFE	**	5	\$4,000	
Plaster	25%	Now	\$5,200	LIFE	**	5	\$2,500	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Third Floor Locker Room</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

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FIRE DEPARTMENT - 057
ENGINE CO. 92/LADDER CO. 44
Asset # : 13075

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2037	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated @ 600 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2037	**	5	\$300	
Raceway								
Conduit	100%			2037	**	1		
Panelboards								
Molded Case Bkrs	60%			2035	**	5	\$200	
Molded Case Bkrs	40%			2026	\$15,400	5	\$100	
Wiring								
Thermoplastic	100%			2037	**	1		
Motor Controllers								
Locally Mounted	100%			2032	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2032	**	1	\$3,300	
Generators								
Diesel	100%			2030	**	1	\$4,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Emergency Generator Rated @ 81kva</i>								
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$400	
Fuel Storage								
Main Tank	100%			2042	**	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 60 Gallons Rated Capacity</i>								
Lighting								
Interior Lighting								
Fluorescent	88%			2027	\$25,300	10	\$8,600	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	10%	Now	\$2,900	2037	**			
<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	2%			2022	\$600	10	\$200	
<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 92/LADDER CO. 44
Asset # : 13075

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Egress Lighting

Emergency, Service	25%			2027	\$1,300	1		
Emergency, Battery	25%			2027	\$3,600	10	\$600	
Exit, Service	50%			2027	\$600	1		

Exterior Lighting

HID	20%			2027	\$8,000	10		
No Component	80%							

Alarm

Fire/Smoke Detection

No Component	95%							
Generic, Analog	5%			2022	\$5,500	1-3	\$300	

Other Observation, Extent : Moderate, Area Affected : 100%

Location : 1st Floor

Explanation : For Gasoline Pump Only; Alarm Bells Only

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas	100%			2047	**	1		
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Conversion Equipment

Furnace	50%			2032	**	1	\$2,600	
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Other Observation, Extent : Light, Area Affected : 50%

Location : Roof

Explanation : 5 Rtu Package Units

Hot Water Boiler	50%			2032	**	1	\$2,600	
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Other Observation, Extent : Light, Area Affected : 50%

Location : Basement

Explanation : 4 Boilers Piped Together

Distribution

Hot Wtr Piping/Pump	50%	Now	\$400	2035	**	4	\$300	
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Not in Service, Extent : Severe, Area Affected : 5%

Location : Temperature Control System

No Component	50%							
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Terminal Devices

Convactor/Radiator	25%			2032	**	1	\$900	
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Unit Heater - Steam	25%			2027	\$8,900	4	\$400	
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No Component	50%							
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Air Conditioning

Energy Source

Electricity	100%			2035	**	1		
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FIRE DEPARTMENT - 057
ENGINE CO. 92/LADDER CO. 44
Asset # : 13075

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	50%			2032	**	2	\$300	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Roof</i>								
<i>Explanation : 5 Rtu Package Units. R-410a</i>								
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%	Now	\$4,600	LIFE	**	2-5	\$5,900	
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Roof</i>								
Exhaust Fans								
Interior	30%			2032	**	2	\$100	
Roof	50%			2032	**	2	\$200	
Wall Unit	20%			2027	\$700	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2047	**	1		
<i>Booster Pump w/Tank, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
HW Heat Exchanger								
Steam Fired	100%			2047	**	4	\$1,600	
Sanitary Piping								
Cast Iron	100%	Now	\$3,600	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Front Side Of The Basement</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2020	\$300	4	\$300	
Backflow Preventer								
Generic	100%			2032	**	1	\$700	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
Generic	100%			2047	**	1-2	\$3,000	
Fire Pump								
Generic	100%			2036	**	1	\$2,000	
Chemical System								
Wet	100%			2022	\$2,100	1-3	\$4,600	

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 93/LADDER CO. 45
Address : 515 WEST 181st STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.093 / 13076 **Yr Built/Renovated** : 1913 / 2003
Area Sq Ft : 21,883 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Jun-2015 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2155 **Lot** : 30 **BIN** : 1075518

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$37,300	\$62,100
Interior Architecture	\$35,600	\$35,800
Electrical		\$74,300
Total	\$72,800	\$172,200
Importance Code A	\$37,300	\$62,100
Importance Code B	\$35,600	\$110,100
Total	\$72,800	\$172,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$22,700			\$1,600
Interior Architecture	\$54,100			
Electrical	\$3,100	\$2,800	\$27,900	\$1,100
Mechanical	\$20,800	\$3,600	\$12,700	\$4,100
Total	\$100,700	\$6,300	\$40,600	\$6,800
Importance Code A	\$24,200	\$1,600	\$1,700	\$3,200
Importance Code B	\$60,900	\$4,700	\$39,000	\$3,600
Importance Code C	\$15,600			
Total	\$100,700	\$6,300	\$40,600	\$6,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 93/LADDER CO. 45
Asset # : 13076

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%			LIFE	**	5	\$29,900	
Masonry: Granite	5%			LIFE	**	5	\$1,600	
Masonry: Limestone	10%			LIFE	**	5	\$3,200	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	15%			2039	**	5	\$32,000	
Windows								
Aluminum	100%			2042	**	5	\$3,100	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$3,100	
Masonry: Brick	75%			LIFE	**	5	\$3,000	
<i>Efflorescence, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : South Facade Roof Side</i>								
Metal Rail	15%			2039	**	5-10	\$11,000	
Roof								
Roll Roofing	100%	2-4	\$37,300	2028	\$62,100	5	\$12,600	
<i>Blisters, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout Upper Roof</i>								
<i>Debris Present, Extent : Light, Area Affected : 10%</i>								
<i>Location : Lower Roof</i>								
<i>Ponding, Extent : Light, Area Affected : 15%</i>								
<i>Location : Lower Roof</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Seams Throughout</i>								
<i>Explanation : Alligating</i>								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$35,800	
Ceramic Tile	2%	Now	\$1,300	2035	**	5	\$300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Laundry Room And Bathroom</i>								
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Grout Staining</i>								
Granite Panels	2%			LIFE	**	5	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Interior Staircase</i>								
<i>Explanation : Refers To Stair Treads.</i>								
Terrazzo	4%			LIFE	**	5	\$1,000	
Wood	33%	Now	\$35,600	2054	**	5	\$10,100	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd And 3rd Floors At Doorways, Throughout</i>								
Wood	9%			2054	**	5	\$5,500	

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 93/LADDER CO. 45
Asset # : 13076

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	1%			2039	**	5	\$400	
Concrete Masonry Unit	40%			LIFE	**	5	\$7,000	
Glass: Single Pane	2%			LIFE	**	5	\$700	
Gypsum Board	22%			LIFE	**	5	\$5,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 1%</i>								
<i>Location : By Ladder Leading To Roof</i>								
Masonry: Brick	18%	Now	\$15,400	LIFE	**			
<i>Diagonal Cracks, Extent : Light, Area Affected : 1%</i>								
<i>Location : South Basement Wall</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : South Basement Wall.</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 2%</i>								
<i>Location : 2nd Floor Bunk Room.</i>								
Metal Panel	1%			LIFE	**			
Plaster	5%			LIFE	**	5	\$700	
Wood	11%			LIFE	**	5	\$19,300	
Ceilings								
Exposed Concrete	40%			LIFE	**	5	\$2,000	
Exposed Struc: Steel	25%	Now	\$34,400	LIFE	**			
<i>Water Penetration, Extent : Light, Area Affected : 2%</i>								
<i>Location : South Side Below Apparatus Floor</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : South Side Below Apparatus Floor</i>								
<i>Explanation : Rusting Steel</i>								
Metal Panel	15%			LIFE	**	5	\$6,100	
Plaster	20%			LIFE	**	5	\$4,100	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2046	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 400 Amperes</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2046	**	5	\$600	
Raceway								
Busway	1%			2039	**	1		
Conduit	99%			2046	**	1		
Panelboards								
Molded Case Bkrs	100%			2042	**	5	\$600	
Wiring								
Thermoplastic	100%			2046	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 93/LADDER CO. 45
Asset # : 13076

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2039	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%	0-2	\$1,900	LIFE	**	5	\$300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Ground Clamp Severely Corroded At Water Pipe, Needs New Ground Clamp.</i>						
Stand-by Power								
Transfer Switches								
Manual	100%			2046	**	5	\$100	
Generators								
Diesel	100%			2035	**	1	\$8,500	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside (Backyard)</i>						
		<i>Explanation : 64 Kw Portable Type</i>						
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$800	
Fuel Storage								
Main Tank	100%			2054	**	5	\$600	
Lighting								
Interior Lighting								
Fluorescent	90%			2031	**	10	\$18,100	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Fluorescent	8%			2031	**	10	\$1,600	
		<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Second And Third Floor</i>						
HID	2%			2026	\$400	10		
Egress Lighting								
Exit, LED	100%			2054	**	1		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Mostly L. E. D</i>						
Exterior Lighting								
HID	90%			2026	\$74,300	10	\$100	
Incandescent	10%			2021	\$7,000	2		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2046	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 93/LADDER CO. 45
Asset # : 13076

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Conversion Equipment								
Furnace	50%	Now	\$500	2026	\$24,100	1	\$4,900	
<i>Damaged, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Bird Screens Missing Or Damaged</i>								
Steam Boiler	50%			2039	**	1	\$10,800	
Distribution								
Central Plant Steam Piping/Pmp	100%			2046	**	4	\$1,100	
Terminal Devices								
Convactor/Radiator	80%			2039	**	1	\$5,700	
Fan Coil Unit/Heat	20%			2034	**	1	\$1,400	
Air Conditioning								
Energy Source								
Electricity	100%			2042	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	95%	Now	\$4,900	2031	**	2	\$1,000	
<i>Damaged, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Bird Screens Missing Or Damaged</i>								
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : 6 Units On Roof</i>								
Window/Wall Unit	5%			2024	\$2,100	1		
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$28,500	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$12,200	
Exhaust Fans								
Roof	80%			2031	**	2	\$500	
Wall Unit	20%			2031	**	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		
Water Heater								
Gas Fired	50%	0-2	\$6,200	2026	\$6,200	2	\$100	
<i>Leak Evident, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Tank</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 75 Gallon Units</i>								
Gas Fired	50%			2019	\$6,200	2	\$200	
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 93/LADDER CO. 45
Asset # : 13076

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sump Pump(s) Non-Submersible	100%			2031	**	4	\$700
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 - Duplex Unit, 1 Single Unit</i>								
	Backflow Preventer Generic	100%			2031	**	1	\$1,300
	Fixtures Generic	100%						
Fire Suppression								
	Sprinkler Generic	100%			2046	**	1-2	\$6,100
	Chemical System Generic	100%			2024	\$1,900	1-3	\$3,700

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 94/LADDER CO. 48 / BATTALION 3
Address : 1226 SENECA AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.094 / 13077 **Yr Built/Renovated** : 1913 /
Area Sq Ft : 8,526 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-Apr-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2762 **Lot** : 54 **BIN** : 2006440

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$143,600	\$85,800
Electrical	\$38,500	
Mechanical	\$51,600	\$38,400
Total	\$233,700	\$124,200
Importance Code A	\$195,200	\$85,800
Importance Code B	\$38,500	\$38,400
Total	\$233,700	\$124,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$58,600		\$24,400	\$2,900
Interior Architecture	\$58,800			\$600
Electrical	\$32,300	\$300	\$300	\$8,700
Mechanical	\$23,800	\$1,400	\$4,200	\$1,400
Total	\$173,500	\$1,600	\$28,900	\$13,600
Importance Code A	\$60,900	\$800	\$25,300	\$3,700
Importance Code B	\$83,300	\$800	\$3,600	\$9,900
Importance Code C	\$29,200			
Total	\$173,500	\$1,600	\$28,900	\$13,600



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FIRE DEPARTMENT - 057
ENGINE CO. 94/LADDER CO. 48 / BATTALION 3

Asset # : 13077

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	10%	2-4	\$11,600	LIFE	**	5	\$11,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	80%	Now	\$34,500	LIFE	**	5	\$11,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Rear Facade, Throughout</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 1%</i>								
<i>Location : Front And Rear Facade</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Side Facade (Alley Side)</i>								
Masonry: Granite	5%			LIFE	**	5	\$500	
Wood Overhead Doors	5%			2021	\$22,600	5	\$3,600	
Windows								
Aluminum	100%	Now	\$47,600	2048	**	5	\$1,100	
<i>Air Infiltration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Officers Bathroom</i>								
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$2,500	LIFE	**	5	\$2,500	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	90%	Now	\$50,800	LIFE	**	5	\$2,900	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Roof								
Asphalt Shingle	5%			2036	**	10	\$100	
Built-Up (BUR)	85%			2019	\$45,200	10	\$9,900	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Main Roof (Only) Beyond Useful Life</i>								
Roll Roofing	5%			2022	\$2,400	5	\$1,000	
Skylight, Metal/Glass	5%			2023	\$85,800	10	\$1,900	

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 94/LADDER CO. 48 / BATTALION 3
Asset # : 13077

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$6,000	LIFE	**	5	\$12,700	
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Ceramic Tile	5%	Now	\$3,700	2032	**	5	\$300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 3rd Floor Bathroom</i>								
<i>Poor Subfloor Evident, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout 3rd Floor Bathroom</i>								
Quarry Tile	5%			2028	\$18,400	5	\$1,000	
Vinyl Tile	40%	Now	\$13,100	2031	**	3	\$1,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Split/Cracked, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 90%</i>								
<i>Location : 2nd And 3rd Floor</i>								
<i>Explanation : 9 X 9 Tiles</i>								
Wood	5%			2038	**	5	\$1,200	
Interior Walls								
Cast in Place Concrete	5%			LIFE	**			
Ceramic Tile	5%	Now	\$2,400	2036	**	5	\$400	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd And 3rd Floor Bathrooms</i>								
<i>Loose Units, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 3rd Floor Bathroom</i>								
Masonry: Brick	45%	4+	\$15,500	LIFE	**			
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Plaster	40%	Now	\$11,300	LIFE	**	5	\$2,100	
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Wood	5%			LIFE	**	5	\$3,500	

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FIRE DEPARTMENT - 057
ENGINE CO. 94/LADDER CO. 48 / BATTALION 3

Asset # : 13077

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Interior									
Ceilings									
AcousTileConcealSpLn	10%			2028	\$10,400	5	\$1,600		
Exposed Struc: Steel	65%			LIFE	**				
Plaster	20%	Now	\$6,700	LIFE	**	5	\$1,600		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Stair To 2nd Floor, 3rd Floor Bulkhead And Scuttle</i>									
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>									
<i>Location : 3rd Floor Locker Room</i>									
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>									
<i>Location : Basement Beam</i>									
<i>Explanation : Steel Beam Exposed At Front Of Building</i>									
Wood	5%			LIFE	**	5	\$5,600		
Site Enclosure									
Fence/Gates									
Chain link	92%			2033	**				
<i>Corrosion/Rusting, Extent : Light, Area Affected : 35%</i>									
<i>Location : Side Facade</i>									
Iron Picket	8%			2043	**				
Site Pavements									
On-Site Walkways									
Cast in Place Concrete	100%			2036	**				
Parking/Driveway									
Cast in Place Concrete	100%			2036	**				
Electrical									
System Component Type		Current Repair			Future Replacement		Maintenance		Priority
% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost			
Under 600 Volts									
Service Equipment									
Molded Case Bkrs	100%	2-4	\$1,500	2053	**	5	\$100		
<i>Enclosure Corroded, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement Electrical Section</i>									
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement Electrical Section</i>									
<i>Explanation : Unable To Open Enclosure To Obtain Size</i>									
Raceway									
Conduit	80%			2033	**	1			
Conduit	20%			2043	**	1			
Panelboards									
Molded Case Bkrs	100%			2022	\$38,500	5	\$200		
Wiring									
Braided Cloth	40%	0-2	\$11,100	2048	**	1			
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Basement</i>									
Rubber	30%			2022	\$8,300	1			
Thermoplastic	30%			2033	**	1			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 94/LADDER CO. 48 / BATTALION 3
Asset # : 13077

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2028	\$14,400	5	\$100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement Boiler Room.</i>						
		<i>Explanation : Controls For Heating System.</i>						
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2036	**	1	\$2,600	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 200 Amp, 3 Pole, Connection For Portable Generator</i>						
Lighting								
Interior Lighting								
Fluorescent	30%			2028	\$6,900	10	\$2,300	
		<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement And 1st Floor</i>						
Fluorescent	10%			2019	\$2,300	10	\$800	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
Fluorescent	30%			2028	\$6,900	10	\$2,300	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 2nd And 3rd Floor</i>						
Incandescent	30%			2019	\$16,400	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 3rd Floor, Stairs And 2nd Floor T. V. Room</i>						
		<i>Explanation : Downlights</i>						
Egress Lighting								
Emergency, Service	100%			2023	\$4,200	1		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Emergency Lighting From Portable Emergency Generator</i>						
Exterior Lighting								
HID	50%			2023	\$16,100	10		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Facade</i>						
		<i>Explanation : Wall Mounted, Controlled Via Time Clock</i>						
Incandescent	50%			2023	\$13,600	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Side Yard</i>						
		<i>Explanation : Wall Mounted, Controlled Via Switch</i>						

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 94/LADDER CO. 48 / BATTALION 3
Asset # : 13077

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Steam Boiler	100%			2021	\$51,600	1	\$8,400	
Distribution								
Central Plant Steam Piping/Pmp	100%			2033	**	4	\$400	
Terminal Devices								
Convactor/Radiator	90%			2028	\$38,400	1	\$2,500	
Unit Heater - Steam	10%			2019	\$2,900	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Window/Wall Unit	80%			2019	\$13,300	1		
No Component	20%							
Ventilation								
Exhaust Fans								
Wall Unit	100%			2023	\$2,800	2	\$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2033	**	1		
Water Heater								
Gas Fired	100%			2019	\$4,900	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	100%			2019	\$1,200	4	\$300	
Backflow Preventer								
No Component	95%							
Generic	5%			2031	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Boiler Only</i>								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	100%			2021	\$2,100	1-3	\$4,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 2 - Systems Serve Different Cooking Areas</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 94/LADDER CO. 48 / BATTALION 3
Asset # : 13077

Print Date : 13-Oct-2017 **FIRE DEPARTMENT - FY 2018**

Asset Name	: ENGINE CO. 95 / LADDER CO. 36		
Address	: 29 VERMILYEA AVENUE		
Borough	: MANHATTAN	Agency's Number	: N/A
Program / Asset #	: FIRSECO.095 / 13078	Yr Built/Renovated	: 1913 / 2003
Area Sq Ft	: 9,076	Project Type	: FIRE DEPARTMENT
Date of Survey	: 02-Apr-2012	Landmark Status	: NONE
Areas Surveyed	: Basement, Roof, Floors 1,2,3		
Block	: 2224	Lot	: 15
		BIN	: 1064801

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$86,900	\$48,000
Interior Architecture	\$128,200	
Mechanical		\$97,000
Total	\$215,000	\$144,900
Importance Code A	\$86,900	\$48,000
Importance Code B	\$128,200	\$97,000
Total	\$215,000	\$144,900

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$54,600		\$2,700	
Interior Architecture	\$52,600	\$300		\$1,300
Electrical	\$100		\$100	
Mechanical	\$3,600	\$2,000	\$9,600	\$2,000
Total	\$110,900	\$2,200	\$12,300	\$3,300
Importance Code A	\$55,500	\$900	\$3,500	\$900
Importance Code B	\$36,700	\$1,300	\$8,800	\$1,900
Importance Code C	\$18,700			\$400
Total	\$110,900	\$2,200	\$12,300	\$3,300



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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 95 / LADDER CO. 36
Asset # : 13078

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	3%	Now	\$14,400	LIFE	**	5	\$8,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : North Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : North Facade</i>								
Masonry: Brick	85%	4+	\$86,900	LIFE	**	5	\$28,800	
<i>Diagonal Cracks, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Hose Tower And Right Side At Front Near Roof</i>								
<i>Graffiti, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : West Facades</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	7%	Now	\$25,900	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : North Facade Near Roof</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : North Facade</i>								
Metal Sect. OHD	5%			2036	**	5	\$5,300	
Windows								
Aluminum	95%			2039	**	5	\$2,500	
Aluminum	5%	Now	\$3,300	2048	**	5	\$100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor Front (Kitchen)</i>								
Parapets								
Cast Stone/Terra Cotta	15%			LIFE	**	5	\$2,600	
Masonry: Brick	75%	2-4	\$4,900	LIFE	**	5	\$1,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Hose Tower/ Bulkhead</i>								
Masonry: Limestone	10%			LIFE	**	5	\$300	
Roof								
Modified Bitumen	100%	0-2	\$4,800	2028	\$48,000			
<i>Alligatoring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Roof Seams</i>								
<i>Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Hose Tower/ Bulkhead</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Over 2nd Floor Roof</i>								
<i>Explanation : Wood Deck Over Roof</i>								
Interior								

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FIRE DEPARTMENT - 057
ENGINE CO. 95 / LADDER CO. 36
Asset # : 13078

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$28,400	LIFE	**	5	\$12,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Engineer To Evaluate</i>								
Ceramic Tile	5%			2032	**	5	\$500	
Vinyl Tile	45%			2019	\$41,800	3	\$2,500	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd And 3rd Floor</i>								
Interior Walls								
Ceramic Tile	5%			2032	**	5	\$800	
Concrete Masonry Unit	3%			LIFE	**	5	\$200	
Gypsum Board	2%	4+	\$100	LIFE	**	5	\$200	
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Southeast Locker Room</i>								
Masonry: Brick	50%	Now	\$16,000	LIFE	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
Plaster	40%	Now	\$2,600	LIFE	**	5	\$2,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Dormitory On 2nd Floor And Stair To Cellar</i>								
Ceilings								
AcousTileSusp.Lay-In	5%			2040	**	5	\$500	
Exposed Concrete	25%	Now	\$86,400	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Cellar Throughout</i>								
Plaster	70%	Now	\$4,900	LIFE	**	5	\$4,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd And 3rd Floors</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : 3rd Floor Southeast</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

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FIRE DEPARTMENT - 057
ENGINE CO. 95 / LADDER CO. 36
Asset # : 13078

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2049	**	5		
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Locked. Unable To Read Size.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2049	**	5	\$200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 50%</i>								
<i>Location : Cellar</i>								
Raceway								
Conduit	100%			2033	**	1		
Panelboards								
Molded Case Bkrs	100%			2031	**	5	\$200	
Wiring								
Thermoplastic	100%			2043	**	1		
Motor Controllers								
Locally Mounted	100%			2028	\$14,400	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	95%			2023	\$23,400	10	\$7,900	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	5%			2023	\$2,900	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Watch Booth And 2nd Floor T. V. Room</i>								
<i>Explanation : Downlights</i>								
Egress Lighting								
Emergency, Service	50%			2023	\$2,200	1		
Exit, Service	50%			2023	\$500	1		
Exterior Lighting								
HID	100%			2023	\$34,200	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Facade</i>								
<i>Explanation : Wall Mounted, Controlled Via Time Clock</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 95 / LADDER CO. 36
Asset # : 13078

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
	Conversion Equipment							
	Steam Boiler	100%			2036	**	1	\$9,000
	Distribution							
	Central Plant Steam Piping/Pmp	100%			2033	**	4	\$400
	Terminal Devices							
	Convactor/Radiator	100%			2028	\$45,400	1	\$2,900
Air Conditioning								
	Energy Source							
	Electricity	100%			2039	**	1	
	Conversion Equipment							
	Exterior Pkg Unit - Cooling	75%			2028	\$51,500	2	\$400
				<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Roof</i>				
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Roof</i>				
				<i>Explanation : 2 Split Units, 1 Package Unit</i>				
	Window/Wall Unit	10%			2019	\$1,800	1	
	No Component	15%						
	Distribution							
	Ductwork/Diffusers	75%			LIFE	**	2	\$8,900
	No Component	25%						
	Terminal Devices							
	Air Handler/Dir Expansion	35%			2028	\$28,200	1	
	No Component	65%						
	Heat Rejection							
	Dry Cooler	50%			2028	\$19,600	2	\$3,200
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Roof</i>				
				<i>Explanation : Split Units Serve 2nd Floor</i>				
	No Component	50%						
Ventilation								
	Distribution							
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,100
	Exhaust Fans							
	Roof	75%			2028	\$10,600	2	\$200
	Wall Unit	25%	Now	\$100	2023	\$800	2	\$100
				<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>				
				<i>Location : 1st Floor</i>				
				<i>Explanation : Noisy Operation</i>				
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2033	**	1	

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FIRE DEPARTMENT - 057
ENGINE CO. 95 / LADDER CO. 36
Asset # : 13078

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Water Heater Gas Fired	100%			2021	\$5,200	2	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 1 - 75 Gallon Unit</i>					
	Sanitary Piping Cast Iron	25%			LIFE	**	1	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Aged Piping</i>					
	Cast Iron	75%			LIFE	**	1	
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Sump Pump(s) Non-Submersible	50%	Now	\$300	2028	\$600	4	\$100
			<i>Leak Evident, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : Cellar 1 Unit</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Units At 3 Locations</i>					
	Submersible	50%			2019	\$100	4	\$100
	Backflow Preventer No Component Generic	95%			2028	\$100	1	
		5%						
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Serves Boiler</i>					
	Fixtures Generic	100%						

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 96 /LADDER CO. 54
Address : 1689 STORY AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.096 / 13079 **Yr Built/Renovated** : 1966 / 2002
Area Sq Ft : 7,035 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-Apr-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3660 **Lot** : 1 **BIN** : 2022629

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$214,200	
Mechanical	\$50,700	
Total	\$264,900	
Importance Code A	\$264,900	
Total	\$264,900	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$21,200		\$4,100	\$8,200
Interior Architecture	\$13,300		\$500	\$600
Electrical	\$7,500	\$500	\$400	\$500
Mechanical	\$16,000	\$600	\$32,500	\$600
Site Enclosure	\$12,600		\$10,200	
Site Pavements	\$5,000			
Total	\$75,600	\$1,100	\$47,700	\$9,800
Importance Code A	\$21,600	\$300	\$4,400	\$8,500
Importance Code B	\$31,200	\$700	\$32,700	\$1,300
Importance Code C	\$22,800		\$10,600	
Total	\$75,600	\$1,100	\$47,700	\$9,800



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FIRE DEPARTMENT - 057
ENGINE CO. 96 /LADDER CO. 54
Asset # : 13079

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	85%	Now	\$83,600	LIFE	**	5	\$13,900	
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 2%</i>								
<i>Location : 2nd Floor Relieving Angles And Lintels At Side Facades</i>								
<i>Diagonal Cracks, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Right Side At Front And Side Facade Near Rear</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor at Window Lintels</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Window Level And Throughout South Facade</i>								
Stucco Cement	5%	2-4	\$4,700	2036	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Along Base</i>								
Wood Overhead Doors	10%			2021	\$51,600	5	\$8,200	
Windows								
Aluminum	100%	Now	\$38,800	2048	**	5	\$900	
<i>Air Infiltration, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 55%</i>								
<i>Location : Throughout</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$1,100	LIFE	**	5	\$700	
<i>Open Joints, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	90%	0-2	\$4,700	LIFE	**	5	\$800	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Coping</i>								
Roof								
Asphalt Shingle	5%	2-4	\$1,900	2038	**			
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Rear</i>								
Built-Up (BUR)	80%			2019	\$40,200	10	\$8,800	
<i>Debris on Roof, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Upper Roof</i>								
Roll Roofing	15%			2022	\$6,800	5	\$2,700	

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 96 /LADDER CO. 54
Asset # : 13079

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	**	5	\$13,900	
Ceramic Tile	3%			2032	**	5	\$300	
Quarry Tile	2%			2036	**	5	\$300	
Terrazzo	5%			LIFE	**	5	\$400	
Vinyl Tile	30%	4+	\$8,100	2031	**	3	\$1,200	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : 2nd Floor</i>								
Interior Walls								
Cast in Place Concrete	5%			LIFE	**			
Ceramic Tile	5%			2026	\$20,000	5	\$700	
Concrete Masonry Unit	5%			LIFE	**	5	\$300	
Plaster	45%	Now	\$5,200	LIFE	**	5	\$2,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
SGFT/Glazed Masonry	40%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	30%			2028	\$25,600	5	\$3,200	
<i>Staining/Discoloring, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Exposed Concrete	50%			LIFE	**	5	\$800	
Plaster	20%			LIFE	**	5	\$1,300	
Site Enclosure								
Fence/Gates								
Chain link	60%	Now	\$12,600	2053	**			
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Throughout</i>								
Wood	40%			2021	\$10,200			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Yard, Partial Side Driveway</i>								
<i>Explanation : Wood Fence Mounted On Chain Link</i>								
Free Standing Walls								
Concrete Masonry Unit	100%			2043	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2036	**			
Parking/Driveway								
Asphalt	45%	0-2	\$5,000	2026	\$16,600			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Side Driveway</i>								
<i>Potholes, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Side Driveway</i>								
Cast in Place Concrete	55%			2036	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 96 /LADDER CO. 54
Asset # : 13079

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2049	**	5		
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Section</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Electrical Section</i>								
<i>Explanation : 400 Amperes Fused Disconnect Switch.</i>								
Raceway								
Conduit	40%			2033	**	1		
Conduit	60%			2049	**	1		
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement And 1st Floor</i>								
Panelboards								
Molded Case Bkrs	100%			2045	**	5	\$200	
Wiring								
Thermoplastic	100%			2043	**	1		
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Wiring Throughout Building</i>								
Motor Controllers								
Locally Mounted	100%			2036	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Boiler Room.</i>								
<i>Explanation : Heating System Controls.</i>								
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	100%	0-2	\$3,800	2033	**			
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Egress Lighting								
Exit, Service	100%			2023	\$800	1		
Exterior Lighting								
HID	100%			2023	\$26,500	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Facade, Side Yard And Roof</i>								
<i>Explanation : Wall Mounted And Floodlights, Controlled Via Time Clock</i>								
Alarm								
Fire/Smoke Detection								
Generic	100%	Now	\$3,600	2033	**	1-3	\$3,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Broken And Missing Smoke Detectors</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
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FIRE DEPARTMENT - 057
ENGINE CO. 96 /LADDER CO. 54
Asset # : 13079

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
Energy Source	Fuel Oil	100%			2033	**	5	\$2,200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2,500 Gallon Tank In Vault</i>								
Conversion Equipment	Hot Water Boiler	100%			2021	\$50,700	1	\$3,500
Distribution	Hot Wtr Piping/Pump	100%			2031	**	4	\$500
Terminal Devices	Convactor/Radiator	90%			2021	\$31,700	1	\$2,000
	Unit Heater - Steam	10%			2019	\$2,400	4	\$100
Air Conditioning								
Energy Source	Electricity	100%			2039	**	1	
Conversion Equipment	Exterior Pkg Unit - Cooling	20%			2023	\$10,700	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 - Split Units / 1 Old Unit Abandoned In Place</i>								
	Window/Wall Unit	60%			2019	\$8,200	1	
	No Component	20%						
Heat Rejection	Dry Cooler	20%			2023	\$5,700	2	\$1,000
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Split Units R - 22</i>								
	No Component	80%						
Ventilation								
Exhaust Fans	Roof	100%			2028	\$10,900	2	\$200
Plumbing								
H/C Water Piping	Brass/Copper	100%			2033	**	1	
Water Heater	Gas Fired	100%			2019	\$4,000	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1-75 Gallon Unit</i>								
HW Heat Exchanger	Steam Fired	100%			2023	\$10,500	4	\$1,000
Sanitary Piping	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 96 /LADDER CO. 54
Asset # : 13079

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sump Pump(s)							
	Non-Submersible	100%			2023	\$1,000	4	\$200
	Backflow Preventer							
	No Component	95%						
	Generic	5%			2023	\$100	1	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Serves Boiler Only</i>					
Fixtures								
	Generic	100%						

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : ENGINE CO. 97
Address : 1454 ASTOR AVENUE @ FENTON AVE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.097 / 13080 **Yr Built/Renovated** : 1931 / 2010
Area Sq Ft : 5,006 **Project Type** : FIRE DEPARTMENT
Date of Survey : 16-Apr-2013 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 4389 **Lot** : 23 **BIN** : 2050740

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$58,500	
Interior Architecture	\$44,000	
Total	\$102,500	
Importance Code A	\$58,500	
Importance Code B	\$44,000	
Total	\$102,500	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$8,200			
Interior Architecture	\$69,700			\$1,400
Electrical	\$12,700			\$100
Mechanical	\$2,100	\$800	\$800	\$13,900
Total	\$92,600	\$800	\$800	\$15,400
Importance Code A	\$9,700	\$500	\$500	\$500
Importance Code B	\$63,600	\$300	\$300	\$14,900
Importance Code C	\$19,300			
Total	\$92,600	\$800	\$800	\$15,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 97
Asset # : 13080

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	85%			LIFE	**	5	\$15,700	
<i>Recent Repair Evident, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout 2010</i>								
Masonry: Granite	5%			LIFE	**	5	\$700	
Wood Overhead Doors	10%	2-4	\$58,500	2044	**	5	\$4,600	
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%			2049	**	5	\$1,900	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	90%	Now	\$5,400	LIFE	**	5	\$1,900	
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%			LIFE	**	5	\$300	
Roof								
Built-Up (BUR)	100%	Now	\$1,900	2029	**			
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	30%			LIFE	**	5	\$5,700	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout 2010</i>								
Ceramic Tile	2%			2039	**	5	\$200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	3%	2-4	\$5,000	2039	**	5	\$100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Quarry Tile	5%			2037	**	5	\$600	
Vinyl Tile	60%	Now	\$13,200	2019	\$44,000	3	\$1,900	
<i>Adhesion Failure, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Second Floor Office 9x9 Tiles</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Second Floor Office 9x9 Tiles</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 97
Asset # : 13080

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Interior

Interior Walls

Ceramic Tile	2%			2039	**	5	\$200	
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Recent Replace Evident, Extent : Light, Area Affected : 100%
Location : Throughout

Ceramic Tile	3%	2-4	\$3,900	2027	\$9,800	5	\$200	
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Cracking/Crumbling, Extent : Severe, Area Affected : 50%
Location : Throughout

Gypsum Board	5%			LIFE	**	5	\$400	
Plaster	40%	Now	\$15,200	LIFE	**	5	\$1,400	

Broken/Missing Elements, Extent : Severe, Area Affected : 20%
Location : 2nd Floor Along North And East Facade
Water Penetration, Extent : Severe, Area Affected : 35%
Location : 2nd Floor Along North And East Facade

Plaster	15%			LIFE	**	5	\$500	
SGFT/Glazed Masonry	35%			LIFE	**			

Ceilings

AcousTileSusp.Lay-In	5%	Now	\$1,400	2029	**	5	\$200	
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Water Penetration, Extent : Light, Area Affected : 10%
Location : Throughout

AcousTileSusp.Lay-In	10%			2037	**	5	\$900	
Exposed Concrete	35%	Now	\$19,400	LIFE	**	5	\$500	

Exposed Reinforcement, Extent : Moderate, Area Affected : 15%
Location : Basement
Spalling, Extent : Moderate, Area Affected : 15%
Location : Basement

Plaster	50%	Now	\$11,300	LIFE	**	5	\$2,700	
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Broken/Missing Elements, Extent : Severe, Area Affected : 5%
Location : Locker Room

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2041	**			
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On-Site Walkways

Cast in Place Concrete	100%			2041	**			
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Parking/Driveway

Cast in Place Concrete	100%			2041	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2034	**	5		
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Other Observation, Extent : Moderate, Area Affected : 100%
Location : Basement
Explanation : 200 Amperes

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 97
Asset # : 13080

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2034	**	5	\$100	
Raceway								
Conduit	70%			2024	\$21,900	1		
Conduit	30%	Now	\$9,400	2054	**	1		
<i>Not in Service, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd Floor Switch Box Severely Corroded - Locker, Weight, Sitting Room Lights Out Of Service And Hall Lights Out Of Service</i>								
Panelboards								
Molded Case Bkrs	100%			2032	**	5	\$100	
Wiring								
Thermoplastic	100%			2034	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Main</i>								
Lighting								
Interior Lighting								
Fluorescent	90%			2024	\$12,200	10	\$4,100	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Incandescent	10%			2019	\$3,200	2		
Egress Lighting								
Exit, LED	100%			2064	**	1		
Exterior Lighting								
HID	100%			2024	\$18,900	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2034	**	1		
Conversion Equipment								
Steam Boiler	100%	Now	\$1,500	2037	**	1	\$4,500	
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : One Boiler</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2034	**	4	\$200	
Terminal Devices								
Convactor/Radiator	100%			2037	**	1	\$1,600	

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 97
Asset # : 13080

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Energy Source								
	Electricity	100%			2040	**	1	
Conversion Equipment								
	Window/Wall Unit	100%			2022	\$9,800	1	
Ventilation								
Exhaust Fans								
	Interior	100%			2029	**	2	\$200
Plumbing								
H/C Water Piping								
	Brass/Copper	70%			2044	**	1	
	Galvanized Steel	30%			2029	**	1	
Water Heater								
	Gas Fired	100%			2022	\$2,900	2	\$100
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2019	\$200	4	\$200
Backflow Preventer								
	Generic	100%			2032	**	1	\$300
Fixtures								
	Generic	100%						
<i>Obsolete Fixtures, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Total House</i>								
Fire Suppression								
Chemical System								
	Dry	10%			2022	\$200	1-3	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Ansul-102</i>								
	No Component	80%						
	Generic	10%			2022	\$200	1-3	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FDNY FIRE MUSEUM
Address : 278 SPRING ST.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSMUS.000 / 14345 **Yr Built/Renovated** : 1904 / 1999
Area Sq Ft : 21,457 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-May-2015 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 579 **Lot** : 11 **BIN** : 1009739

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$43,200	
Electrical	\$384,100	\$35,500
Mechanical		\$36,400
Total	\$427,300	\$71,900
Importance Code A	\$43,200	
Importance Code B	\$384,100	\$71,900
Total	\$427,300	\$71,900

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$52,700		\$4,700	\$1,200
Interior Architecture	\$73,100		\$1,200	\$4,000
Electrical	\$1,100	\$2,000	\$5,800	\$2,400
Mechanical	\$16,200	\$4,400	\$43,000	\$3,800
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$147,100	\$10,400	\$58,600	\$15,400
Importance Code A	\$67,600	\$1,800	\$6,600	\$3,000
Importance Code B	\$68,100	\$8,500	\$52,100	\$12,400
Importance Code C	\$11,400			
Total	\$147,100	\$10,400	\$58,600	\$15,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
FDNY FIRE MUSEUM
Asset # : 14345

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	50%			LIFE	**	5	\$25,100	
Masonry: Limestone	15%	Now	\$19,900	LIFE	**	5	\$5,600	
<i>Staining/Discoloring, Extent : Light, Area Affected : 25%</i>								
<i>Location : Cornice</i>								
Masonry: Limestone	15%			LIFE	**	5	\$5,600	
Metal Panel	5%			2036	**	5-10	\$17,200	
Granite Panels	5%			LIFE	**	5	\$1,900	
Stucco Cement	10%	Now	\$15,800	2031	**	5	\$6,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Stair And Mechanical Room Roof Bulkheads</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Stair And Mechanical Room Bulkheads</i>								
Windows								
Aluminum	90%			2042	**	5	\$2,500	
Wood	10%	Now	\$8,500	2051	**	5	\$1,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Roof Bulkheads</i>								
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof Bulkheads</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof Bulkheads</i>								
Parapets								
Masonry: Brick	60%	Now	\$5,700	LIFE	**	5	\$1,800	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	40%			LIFE	**	5	\$1,500	
<i>Worn/Eroded, Extent : Light, Area Affected : 15%</i>								
<i>Location : Stone Copings Located On South Side Of Roof</i>								
Roof								
Built-Up (BUR)	95%	Now	\$43,200	2031	**			
<i>Air/Water Blisters, Extent : Light, Area Affected : 15%</i>								
<i>Location : Various Areas</i>								
<i>Drains Clogged, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : By Front Facade</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
Skylight, Metal/Glass	5%	Now	\$2,800	2046	**			
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : Memorial Room, 1st Floor</i>								
<i>Explanation : E-coating Is Delaminating On Some Of The Glass Panels</i>								
Interior								

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FIRE DEPARTMENT - 057
FDNY FIRE MUSEUM
Asset # : 14345

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Carpet	25%	Now	\$44,700	2025	\$111,800	3	\$12,000	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor</i>								
Cast in Place Concrete	43%			LIFE	**	5	\$30,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Various Locations</i>								
Quarry Tile	2%			2039	**	5	\$1,000	
Sheet Vinyl/Rubber	5%			2031	**	5	\$2,400	
Wood	25%			2054	**	5	\$15,100	
Interior Walls								
Concrete Masonry Unit	25%			LIFE	**	5	\$2,600	
Gypsum Board	40%			LIFE	**	5	\$6,200	
Masonry: Brick	10%			LIFE	**			
Plaster	25%	Now	\$11,400	LIFE	**	5	\$1,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Stair Bulkhead At Roof Level</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Stair Bulkhead At Roof Level</i>								
Ceilings								
Exposed Concrete	40%	Now	\$9,000	LIFE	**	5	\$2,000	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout Basement</i>								
Gypsum Board	55%			LIFE	**	5	\$22,100	
Plaster	5%			LIFE	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Penthouse Ceilings</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Stair And Equipment Room Bulkheads</i>								
Site Enclosure								
Fence/Gates								
Not Accessible	100%							
Site Pavements								
Parking/Driveway								
Not Accessible	100%							

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2026	\$22,700	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1200 Amp.</i>								

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FIRE DEPARTMENT - 057
FDNY FIRE MUSEUM
Asset # : 14345

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Switchgear / Switchboard								
Fused Disc Sw	100%			2026	\$35,500	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1200 Amp.</i>								
Raceway								
Conduit	100%			2026	\$34,200	1		
Panelboards								
Molded Case Bkrs	100%			2034	**	5	\$600	
Wiring								
Braided Cloth	90%			2025	\$27,200	1		
Thermoplastic	10%			2036	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$300	
Lighting								
Interior Lighting								
Fluorescent	15%			2026	\$11,400	10	\$3,000	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
HID	60%			2021		10	\$400	
Incandescent	25%			2021	\$70,900	2	\$100	
Egress Lighting								
Emergency, Battery	50%			2031	**	10	\$2,600	
Exit, Service	10%			2026	\$600	1		
Exit, Battery	40%			2031	**	10	\$600	
Exterior Lighting								
HID	100%			2031	**	10	\$100	
Alarm								
Security System								
Generic	100%			2021	\$70,800	1	\$8,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fixed Cameras.</i>								
Fire/Smoke Detection								
Generic, Analog	100%	2-4	\$242,400	2036	**	1-3	\$12,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Fire Alarm System Is Over Thirty Years Old</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

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FIRE DEPARTMENT - 057
FDNY FIRE MUSEUM
Asset # : 14345

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Electricity	1%			2046	**	1		
Natural Gas	99%			2046	**	1		
Conversion Equipment								
Furnace	1%			2031	**	1	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Home Demonstration Area</i>								
<i>Explanation : Electric Unit Heaters</i>								
Furnace	29%			2031	**	1	\$3,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Roof Top Package Unit, Heat Cool</i>								
Steam Boiler	50%	Now	\$14,200	2031	**	1	\$9,600	
<i>Malfunctioning, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 6 Units Piped In Series</i>								
Steam Boiler	20%			2039	**	1	\$4,300	
Distribution								
Ductwork/Diffusers	30%			LIFE	**	2-5	\$3,600	
Central Plant Steam Piping/Pmp	70%			2046	**	4	\$700	
Terminal Devices								
Convactor/Radiator	100%			2039	**	1	\$6,900	
Air Conditioning								
Energy Source								
Electricity	100%			2042	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	70%			2031	**	2	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : R-410a</i>								
Split Unit	5%			2031	**			
Window/Wall Unit	25%			2021	\$11,400	1		
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$27,900	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$12,000	
Exhaust Fans								
Roof	100%			2026	\$36,400	2	\$700	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		

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FIRE DEPARTMENT - 057
FDNY FIRE MUSEUM
Asset # : 14345

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Water Heater Electric	100%			2021	\$19,300	4	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd And 3rd Floor</i>								
<i>Explanation : 2 40 Gallon Units</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Submersible	100%			2020	\$700	4	\$700	
Fixtures								
Generic	100%							
Vertical Transport								
Elevators								
Geared Traction	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st To 3rd Floor</i>								
<i>Explanation : 1 Unit</i>								
Fire Suppression								
Sprinkler								
Generic	100%			2052	**	1-2	\$6,000	

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FIRE ACADEMY ADMINISTRATION BLDG #9
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.080 / 131 **Yr Built/Renovated** : 1975 / 2013
Area Sq Ft : 40,432 **Project Type** : FIRE DEPARTMENT
Date of Survey : 31-Oct-2016 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,Mez
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$4,509,800	\$278,100
Interior Architecture	\$1,128,600	\$739,300
Electrical	\$418,100	\$608,800
Mechanical		\$58,700
Total	\$6,056,500	\$1,684,800
Importance Code A	\$4,509,800	\$278,100
Importance Code B	\$1,323,000	\$667,500
Importance Code C	\$223,700	\$739,300
Total	\$6,056,500	\$1,684,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture				
Interior Architecture	\$174,700		\$15,400	\$5,300
Electrical	\$11,300	\$5,100	\$5,600	\$6,300
Mechanical	\$24,300	\$14,900	\$11,600	\$17,100
Total	\$210,300	\$20,000	\$32,600	\$28,700
Importance Code A	\$1,900	\$1,900	\$1,900	\$1,900
Importance Code B	\$167,600	\$18,100	\$28,900	\$26,900
Importance Code C	\$40,800		\$1,800	
Total	\$210,300	\$20,000	\$32,600	\$28,700



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FIRE DEPARTMENT - 057
FIRE ACADEMY ADMINISTRATION BLDG #9
Asset # : 131

Architecture		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	30%	Now	\$501,000	LIFE	**	5	\$148,300	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 0%</i>								
<i>Location : At Junction Of Metal Tunnel And Concrete At Auditorium Exit</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : At Auditorium, Simulation Room - South Facade</i>								
Metal/Glass Curt Wall	30%	Now	\$1,409,800	LIFE	**	5	\$55,600	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Throughout North Facade</i>								
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout North Facade</i>								
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 75%</i>								
<i>Location : North Facade At Wall Penetrations And Base Of Building</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 75%</i>								
<i>Location : North Facade Wall</i>								
Metal Panel	40%	Now	\$142,000	2038	**	5	\$74,100	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Along Wall Base</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Along Wall Base</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : At Corridor Adjacent To Wall</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : South Facade At Entry Doors And Connector To Building 11</i>								
<i>Explanation : Corrugated Metal Panel</i>								
Windows								
Aluminum	100%	Now	\$701,800	2053	**	5	\$8,400	1
<i>Air Infiltration, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : North Facade - Plexiglass Panes</i>								
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Crwt/Balnc Not Funct, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : All Windows</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Underside Of Sills At Curtain Wall - North Facade</i>								

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FIRE DEPARTMENT - 057
FIRE ACADEMY ADMINISTRATION BLDG #9
Asset # : 131

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Metal Panel	97%	Now	\$1,755,300	2048	**			
<i>Deformed/Dented, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout Roof Surface</i>								
<i>Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : South Side Above Exit Tunnels And Landscaped Berms</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout Roof Surface</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Above Main Corridor - North Side</i>								
Skylight, Metal/Glass	3%			2048	**	10	\$16,100	
Interior								
Floors								
Carpet	15%	0-2	\$108,200	2030	**	3	\$12,700	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Auditorium</i>								
Cast in Place Concrete	13%	Now	\$22,900	LIFE	**	5	\$16,100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Slab Settlements At Entrances To South And The North West Corner</i>								
Ceramic Tile	2%			2031	**	5	\$1,100	
Vinyl Tile	50%			2033	**	3	\$10,600	
Vinyl Tile	15%	Now	\$72,100	2038	**	3	\$3,200	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Mezzanine, Kitchen, Staff Lounge, Simulator Room</i>								
Wood	5%			2056	**	5	\$5,300	

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FIRE DEPARTMENT - 057
FIRE ACADEMY ADMINISTRATION BLDG #9
Asset # : 131

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	5%	Now	\$68,900	LIFE	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Entrances To South</i>								
<i>Spalling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Simulator Room</i>								
Ceramic Tile	5%	0-2	\$30,100	2031	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Stair To Mezzanine</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Stair To Mezzanine</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Locker Rooms And Bathrooms</i>								
Concrete Masonry Unit	48%	2-4	\$154,800	LIFE	**	5	\$14,000	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Corridors - 1st Floor And Stair F</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Base Of Walls - 1st Floor Corridors</i>								
Fabric on Framing	10%			2026	\$739,300	5	\$3,600	
Glass: Single Pane	2%			LIFE	**	5	\$2,200	
Gypsum Board	20%	Now	\$6,000	LIFE	**	5	\$8,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Simulator Room</i>								
Masonry: Brick	5%			LIFE	**	10	\$1,100	
Metal Panel	5%	2-4	\$2,500	LIFE	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceilings								
AcousTileConcealSpLn	5%	2-4	\$2,300	2033	**	5	\$1,800	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Male Locker Room</i>								
AcousTileSusp.Lay-In	24%			2041	**	5	\$13,600	
Exposed Struc: Steel	70%	Now	\$832,900	LIFE	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 30%</i>								
<i>Location : Above Main Corridor - North Side, Stair F</i>								
Plaster	1%			LIFE	**	5-10	\$1,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Chief Office</i>								
<i>Explanation : Stucco Ceiling</i>								
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	30%			2041	**			
Pavers/Stone	70%			2037	**			
Parking/Driveway								
Asphalt	100%			2037	**			

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FIRE DEPARTMENT - 057
FIRE ACADEMY ADMINISTRATION BLDG #9
Asset # : 131

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Air Circuit Breaker	30%			2054	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room 2</i>								
<i>Explanation : Emergency Main Service Rated @ 2000 Amperes.</i>								
Fused Disc Sw	50%			2028	\$18,500	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room 1</i>								
<i>Explanation : Main Service Switch Rated @ 4000 Amperes.</i>								
Fused Disc Sw	20%			2028	\$7,400	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room 1</i>								
<i>Explanation : Main Service Disconnect Switch Rated @ 1200 Amperes, Serving Building #7.</i>								
Transformers								
Dry Type	100%			2026	\$15,800	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room 1</i>								
<i>Explanation : 112.5kva, 220 Volts Primary: 480/277 Volts Secondary</i>								
Switchgear / Switchboard								
Fused Disc Sw	70%			2028	\$102,500	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room 1</i>								
<i>Explanation : 4- Vertical Sections Of Distribution Board.</i>								
Molded Case Bkrs	30%			2054	**	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room 2</i>								
<i>Explanation : 1- Vertical Section</i>								
Raceway								
Conduit	95%			2028	\$82,600	1		
Conduit	5%			2054	**	1		
Panelboards								
Fused Disc Sw	5%			2027	\$4,500	5		
Molded Case Bkrs	90%			2027	\$80,600	5	\$1,000	
Molded Case Bkrs	5%			2050	**	5	\$100	
Wiring								
Thermoplastic	95%			2028	\$111,700	1		
Thermoplastic	5%			2054	**	1		
Motor Controllers								
Locally Mounted	5%			2045	**	5		
Motor Control Center	90%			2026	\$84,900	5	\$1,000	
Variable Frequency Drive	5%			2045	**			
Ground								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY ADMINISTRATION BLDG #9
Asset # : 131

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ground								
	Grounding Devices Generic	100%			LIFE	**	5	\$1,200
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Water Meter Room</i>								
<i>Explanation : Connected To Metal Water Pipe.</i>								
Stand-by Power								
	Transfer Switches Automatic	100%			2045	**	1	\$12,400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room 2</i>								
<i>Explanation : 3- Ats Switches Rated @ 1200a, 1600a And 800a</i>								
	Generators Diesel	100%			2041	**	1	\$15,700
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside The Building</i>								
<i>Explanation : Emergency Generator Rated @ 810kw</i>								
	Batteries Lead/Acid	100%			2023	\$1,500	5	\$1,500
	Fuel Storage Main Tank	100%			2063	**	5	\$1,100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 1382 Gallons Rated Capacity</i>								
Lighting								
	Interior Lighting Fluorescent	20%			2023	\$43,000	10	\$6,900
<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Hallways, Electrical Room</i>								
	Fluorescent	40%			2033	**	10	\$13,900
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Offices, Conference Room</i>								
	Fluorescent	20%			2036	**	10	\$6,900
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Hallways</i>								
	LED	20%			2036	**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Atrium And Hallways</i>								
<i>Explanation : LED Light Fixtures</i>								
	Egress Lighting Emergency, Service	35%			2023	\$6,500	1	
	Emergency, Service	40%			2036	**	1	
	Exit, LED	5%			2063	**	1	
	Exit, Service	20%			2023	\$2,500	1	

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY ADMINISTRATION BLDG #9
Asset # : 131

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting

Fluorescent

80%

2028

\$103,500

10

\$3,000

T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%
Location : Outside

HID

10%

2028

\$15,200

10

Other Observation, Extent : Moderate, Area Affected : 100%
Location : Outside

Explanation : 4- HID Light Fixtures Controlled By A Timer Switch

LED

10%

2036

* *

Other Observation, Extent : Moderate, Area Affected : 100%
Location : Outside

Explanation : LED Light Fixtures

Alarm

Fire/Smoke Detection

Generic, Analog

100%

Now

\$418,100

2038

* *

1-3

\$22,700

Other Observation, Extent : Severe, Area Affected : 100%
Location : Throughout The Building

Explanation : The Fire Alarm System Is Not Functional; Alarm Bells, Manual Pull Stations, Smoke Detectors

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Fuel Oil No 2

100%

2038

* *

5

\$11,700

Conversion Equipment

Hot Water Boiler

50%

2045

* *

1

\$9,400

Other Observation, Extent : Light, Area Affected : 100%
Location : Boiler Room
Explanation : 1 Unit

Hot Water Boiler

50%

2033

* *

1

\$9,400

Other Observation, Extent : Moderate, Area Affected : 50%
Location : Boiler Room
Explanation : 1 Unit

Distribution

Hot Wtr Piping/Pump

100%

0-2

\$2,800

2036

* *

4

\$1,900

Insul. Deteriorating, Extent : Severe, Area Affected : 100%
Location : Throughout

Terminal Devices

Air Handler

70%

2036

* *

1

\$16,400

Convactor/Radiator

30%

2033

* *

1

\$3,700

Air Conditioning

Energy Source

Electricity

100%

2036

* *

1

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY ADMINISTRATION BLDG #9
Asset # : 131

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Reciprocating Compr/Chiller	100%			2036	**	1	\$17,500
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Courtyard</i>								
<i>Explanation : Using 4101 Refrigerant.</i>								
Distribution								
	CW & CHW Wtr Pipe/Pump	100%			2054	**	4	\$1,900
Terminal Devices								
	Air Handler/Cool/Ht	100%			2036	**	1	\$23,400
Heat Rejection								
	Air Cooled Condenser Unit	100%			2036	**	2	\$26,300
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$33,400
Exhaust Fans								
	Roof	100%			2028	\$58,700	2	\$1,200
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2038	**	1	
Water Heater								
	Electric	100%			2027	\$31,100	4	\$300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : 1 Unit</i>								
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2022	\$1,300	4	\$1,300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : 1 Unit</i>								
Fixtures								
	Generic	100%						
Fire Suppression								
Sprinkler								
	Generic	100%			2038	**	1-2	\$10,600

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017 **FIRE DEPARTMENT - FY 2018**

Asset Name : FIRE ACADEMY BURN BUILDING #5
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.013 / 13554 **Yr Built/Renovated** : 2003 /
Area Sq Ft : 6,083 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Nov-2016 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 1819 **Lot** : 40 **BIN** : 1085912

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$19,600			
Interior Architecture	\$36,200			
Electrical			\$100	
Mechanical			\$100	
Total	\$55,800		\$100	
Importance Code A	\$19,600			
Importance Code B	\$29,900		\$100	
Importance Code C	\$6,300			
Total	\$55,800		\$100	



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY BURN BUILDING #5
Asset # : 13554

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast in Place Concrete	5%			LIFE	**	5	\$8,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : 2 Story Building, No Basement. This Is A Fire Demonstration Building. No Repair Needed.</i>								
Masonry: Brick	95%			LIFE	**	5	\$30,800	
Windows								
Aluminum	50%			2044	**	5	\$200	
Metal Louvers	50%			2037	**	10	\$1,500	
Parapets								
Not Accessible	100%							
Roof								
Modified Bitumen	100%			2033	**	10	\$8,400	
Interior								
Floors								
Cast in Place Concrete	100%			LIFE	**	5	\$39,800	
Interior Walls								
Cast in Place Concrete	20%			LIFE	**	10	\$3,900	
Concrete Masonry Unit	80%			LIFE	**	5	\$4,900	
Ceilings								
Exposed Concrete	100%			LIFE	**	5-10	\$11,400	
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Raceway								
Conduit	100%			2038	**	1		
Panelboards								
Fused Disc Sw	50%			2036	**	5	\$100	
Molded Case Bkrs	50%			2036	**	5	\$100	
Wiring								
Thermoplastic	100%			2038	**	1		
Motor Controllers								
Locally Mounted	100%			2033	**	5		
Lighting								
Interior Lighting								
Fluorescent	90%			2028	\$12,100	10	\$5,000	
<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	10%			2028	\$1,300	10	\$600	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY BURN BUILDING #5
Asset # : 13554

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting

HID

100%

2028

\$22,900

10

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Roof And Perimeter Of The Building**Explanation : 16 Hid Light Fixtures Controlled By Timer Switch*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Air Conditioning

Energy Source

Electricity

20%

2044

* *

1

No Component

80%

Conversion Equipment

Split Unit

5%

2033

* *

No Component

95%

Ventilation

Exhaust Fans

Roof

100%

2033

* *

2

\$200

Plumbing

H/C Water Piping

Galvanized Steel

10%

2041

* *

1

*Other Observation, Extent : Light, Area Affected : 10%**Location : 1st And 2nd Floors**Explanation : Standpipe Only*

No Component

90%

Fire Suppression

Standpipe

No Component

90%

Generic

10%

2048

* *

1-5

\$300

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FIRE ACADEMY CLASSROOM BLDG. #11
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.011 / 13552 **Yr Built/Renovated** : 2003 /
Area Sq Ft : 39,768 **Project Type** : FIRE DEPARTMENT
Date of Survey : 31-Oct-2016 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2,3,4
Block : 1819 **Lot** : 40 **BIN** : 1085910

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$65,700	\$203,900
Interior Architecture	\$59,600	
Mechanical		\$302,600
Total	\$125,300	\$506,500
Importance Code A	\$65,700	\$203,900
Importance Code B	\$59,600	\$302,600
Total	\$125,300	\$506,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$55,000		\$4,300	
Interior Architecture	\$36,600		\$16,800	\$4,500
Electrical	\$6,000	\$4,900	\$5,700	\$4,900
Mechanical	\$21,300	\$7,400	\$8,600	\$6,400
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$122,800	\$16,300	\$39,300	\$19,800
Importance Code A	\$56,900	\$2,000	\$6,300	\$2,000
Importance Code B	\$45,300	\$14,300	\$33,000	\$17,800
Importance Code C	\$20,600			
Total	\$122,800	\$16,300	\$39,300	\$19,800



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY CLASSROOM BLDG. #11
Asset # : 13552

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick Cavity	50%	0-2	\$65,700	LIFE	**	5	\$35,100	
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : North Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : North Facade</i>								
Metal Panel	35%			2048	**	5-10	\$168,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Connector From Building 9 To 11 And At Mechanical Penthouse</i>								
<i>Explanation : Corrugated Metal Panel</i>								
Window Wall	15%			2048	**	5	\$39,500	
Windows								
Aluminum	95%	Now	\$10,600	2044	**	5	\$6,300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>								
<i>Location : 2nd Floor Stair Landing - South Facade</i>								
Metal Louvers	5%			2037	**	10	\$4,200	
Parapets								
Concrete Masonry Unit	82%			LIFE	**	5-10	\$35,300	
Metal Panel	5%	0-2	\$600	2048	**	5	\$800	
<i>Seams Open/Split, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Coping Cap</i>								
Metal Rail	5%			2041	**	5-10	\$7,100	
Pre-Cast Concrete	8%			LIFE	**	5	\$7,900	
Roof								
IRMA/Protected Membrane	100%	Now	\$11,800	2033	**			
<i>Broken Paver Blocks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Roof Top Walkways</i>								
<i>Debris Present, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Roof Top</i>								
<i>Insul Miss/Displaced, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Paver Block Ballast, Extent : Light, Area Affected : 30%</i>								
<i>Location : Roof Top Walkways</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Lower Roof - North West Corner Of Building - Above New Cafeteria</i>								
Interior								
Floors								
Carpet	5%			2027	\$37,900	3	\$4,500	
Cast in Place Concrete	10%			LIFE	**	5	\$26,000	
Ceramic Tile	15%			2037	**	5	\$8,900	
Sheet Vinyl/Rubber	5%			2033	**	5	\$4,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd Floor</i>								
<i>Explanation : Gymnasium Floor</i>								
Vinyl Tile	65%			2033	**	3	\$14,500	

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FIRE DEPARTMENT - 057
FIRE ACADEMY CLASSROOM BLDG. #11
Asset # : 13552

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Interior Walls

Concrete Masonry Unit	45%			LIFE	**	5	\$11,700	
Gypsum Board	35%			LIFE	**	5-10	\$19,300	
Masonry: Brick	13%			LIFE	**	10	\$1,300	

Other Observation, Extent : Light, Area Affected : 100%

Location : Throughout

Explanation : Component Is Actually A Veneer

Metal Panel	7%			LIFE	**	10	\$1,000	
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Ceilings

AcousTileSusp.Lay-In	35%			2041	**	5	\$20,900	
Exposed Struc: Steel	50%			LIFE	**	10	\$59,600	
Metal Panel	15%	Now	\$3,000	LIFE	**	5	\$11,200	

Water Penetration, Extent : Severe, Area Affected : 5%

Location : Drop Soffit At North West Corner Of New Cafeteria

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%			2041	**			
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Parking/Driveway

Asphalt	100%			2037	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2048	**	5	\$1,000	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Electrical Room

Explanation : Main Service Disconnect Switch Rated @ 1200 Amperes

Switchgear / Switchboard

Molded Case Bkrs	100%			2048	**	5	\$1,000	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Electrical Room

Explanation : Nameplate Rating: 2 Sections With Main Bus Rating Of 1200 Amperes.

Raceway

Conduit	100%			2048	**	1		
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Panelboards

Fused Disc Sw	10%			2044	**	5	\$100	
Molded Case Bkrs	90%			2044	**	5	\$900	

Wiring

Thermoplastic	100%			2048	**	1		
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Motor Controllers

Variable Frequency Drive	100%			2041	**			
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Ground

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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FIRE DEPARTMENT - 057
FIRE ACADEMY CLASSROOM BLDG. #11
Asset # : 13552

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$1,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Water Meter Room</i>								
<i>Explanation : Connected To Metal Water Pipe</i>								
Stand-by Power								
Transfer Switches Automatic	100%			2041	**	1	\$12,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Asco 7000 Series; No Available Nameplate Ampere Ratings</i>								
Lighting								
Interior Lighting Fluorescent	85%			2033	**	10	\$31,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps And Controlled By Occupancy Sensors</i>								
LED	15%			2033	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cafeteria, Hallways</i>								
<i>Explanation : LED Light Fixtures Are Controlled By Occupancy Sensors</i>								
Egress Lighting								
Emergency, Service	50%			2033	**	1		
Emergency, Battery	10%			2033	**	10	\$1,000	
Exit, LED	40%			2056	**	1		
Exterior Lighting								
HID	55%			2033	**	10	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 6 HID Light Fixtures And Controlled By Photocells</i>								
LED	45%			2033	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 5 LED Light Fixtures Are Controlled By Photocells</i>								
Alarm								
Security System Generic	100%			2033	**	1	\$14,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 CCTV Surveillance Cameras</i>								
Fire/Smoke Detection Generic, Digital	100%			2033	**	1-3	\$24,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Strobe Lights, Horns, Manual Pull Stations, Smoke Detectors And Alarm Bells</i>								

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FIRE DEPARTMENT - 057
FIRE ACADEMY CLASSROOM BLDG. #11
Asset # : 13552

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Fuel Oil No 2	100%			2048	**	5	\$12,300	
Conversion Equipment								
Hot Water Boiler	100%			2041	**	1	\$19,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : 2 Units - Also Serviing Adjacent Building #12 As Well.</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2044	**	4	\$2,900	
Terminal Devices								
Air Handler	80%			2033	**	1	\$19,700	
Convactor/Radiator	20%			2041	**	1	\$2,600	
Air Conditioning								
Energy Source								
Electricity	100%			2044	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	80%			2028	\$240,900	2	\$2,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Units</i>								
No Component	20%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$35,100	
Exhaust Fans								
Roof	100%	Now	\$3,100	2028	\$61,700	2	\$1,000	
<i>Noisy/Vibrating, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Roof</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2048	**	1		
Water Heater								
Oil Fired	100%			2028	\$30,900	1	\$1,200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : Two 250 Gallon Tanks</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY CLASSROOM BLDG. #11
Asset # : 13552

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing	Backflow Preventer Generic	100%			2033	**	1	\$2,400
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Water Meter Room</i>					
			<i>Explanation : Two Units. One For Sprinkler And One For Water Main.</i>					
	Fixtures Generic	100%						
Vertical Transport	Elevators Geared Traction	100%			LIFE	**		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1-4</i>					
			<i>Explanation : One Unit</i>					
Fire Suppression	Sprinkler Generic	100%			2048	**	1-2	\$11,100

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017 **FIRE DEPARTMENT - FY 2018**

Asset Name : FIRE ACADEMY FIRE TRAINING BLDG #3
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.020 / 1989 **Yr Built/Renovated** : 1975 /
Area Sq Ft : 4,150 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Jul-2013 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$61,200			
Interior Architecture	\$44,400			
Electrical	\$15,700			
Mechanical	\$100			
Total	\$121,300			
Importance Code A	\$61,200			
Importance Code B	\$52,100			
Importance Code C	\$8,000			
Total	\$121,300			



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY FIRE TRAINING BLDG #3
Asset # : 1989

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior									
Exterior Walls									
	Masonry: Brick	90%	0-2	\$10,200	LIFE	**	5	\$3,400	
		<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>							
		<i>Location : Penthouse</i>							
	Metal Coiling Doors	10%	4+	\$2,100	2037	**	5	\$600	
		<i>Deformed/Dented, Extent : Light, Area Affected : 10%</i>							
		<i>Location : Throughout</i>							
Windows									
	Aluminum	100%	Now	\$19,900	2049	**	5	\$200	1
		<i>Bent/Warped Elements, Extent : Severe, Area Affected : 50%</i>							
		<i>Location : Throughout</i>							
		<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>							
		<i>Location : Throughout</i>							
Parapets									
	Cast Stone/Terra Cotta	10%	0-2	\$300	LIFE	**	5	\$300	
		<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>							
		<i>Location : Throughout</i>							
	Masonry: Brick	90%	0-2	\$1,100	LIFE	**	5	\$400	
		<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>							
		<i>Location : Throughout</i>							
Roof									
	Skylight, Metal/Glass	3%	0-2	\$3,600	2044	**			
		<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>							
		<i>Location : Throughout</i>							
		<i>Water Penetration, Extent : Light, Area Affected : 10%</i>							
		<i>Location : Throughout</i>							
	Traffic Topping	97%	Now	\$24,000	2034	**			
		<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>							
		<i>Location : Throughout</i>							
		<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 20%</i>							
		<i>Location : Main Roof</i>							
		<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>							
		<i>Location : Second Floor</i>							
Interior									
Floors									
	Cast in Place Concrete	100%	2-4	\$6,700	LIFE	**	5	\$14,100	
		<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>							
		<i>Location : Throughout</i>							
Interior Walls									
	Concrete Masonry Unit	100%	4+	\$8,000	LIFE	**	5	\$2,900	
		<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>							
		<i>Location : Stairs</i>							
		<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>							
		<i>Location : Stairs</i>							
		<i>Explanation : Deteriorated Finish</i>							

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY FIRE TRAINING BLDG #3
Asset # : 1989

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Interior

Ceilings

Exposed Concrete	100%	2-4	\$29,700	LIFE	**	5	\$700	
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Water Penetration, Extent : Moderate, Area Affected : 10%

Location : Second Floor

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Raceway

Conduit	100%			2034	**	1		
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Panelboards

Molded Case Bkrs	100%			2023	\$22,400	5	\$100	
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Wiring

Thermoplastic	100%			2024	\$18,500	1		
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Lighting

Exterior Lighting

HID	100%			2019	\$15,600	10		
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Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Plumbing

H/C Water Piping

Galvanized Steel	10%			2029	**	1		
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Other Observation, Extent : Light, Area Affected : 10%

Location : 2 Floors

Explanation : For Demonstration - Standpipe Only

No Component	90%							
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Storm Drain Piping

Cast Iron	100%			LIFE	**	1		
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Other Observation, Extent : Light, Area Affected : 10%

Location : 1, 2, Roof

Explanation : Roof Drains Only

Fire Suppression

Standpipe

No Component	90%							
Generic	10%			2034	**	1-5	\$200	

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FIRE ACADEMY FIRST LINE SUPERVISORS BLDG #8
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.070 / 1992 **Yr Built/Renovated** : 1975 / 2008
Area Sq Ft : 9,594 **Project Type** : FIRE DEPARTMENT
Date of Survey : 01-Nov-2016 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$207,200	
Electrical		\$45,200
Total	\$207,200	\$45,200
Importance Code A	\$207,200	
Importance Code B		\$45,200
Total	\$207,200	\$45,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$22,700		\$100	
Interior Architecture	\$33,400		\$1,400	\$500
Electrical	\$8,600	\$300	\$300	\$400
Mechanical	\$5,000	\$1,200	\$1,600	\$900
Site Pavements	\$300			
Total	\$70,000	\$1,500	\$3,400	\$1,800
Importance Code A	\$23,100	\$500	\$600	\$500
Importance Code B	\$42,500	\$1,000	\$2,800	\$1,100
Importance Code C	\$4,400			\$200
Total	\$70,000	\$1,500	\$3,400	\$1,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY FIRST LINE SUPERVISORS BLDG #8
Asset # : 1992

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick Cavity	83%	0-2	\$130,600	LIFE	**	5	\$17,400	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : East/ South Façade At Windows, Base Of Building, Chimney Flue, Various Locations And West Façade At Entry Door</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : At Wall Penetrations</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Door Thresholds At South Facade</i>								
Weathering Steel	7%			LIFE	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : North Facade</i>								
<i>Explanation : This Is An Exterior Egress Stair</i>								
Wood Overhead Doors	10%	Now	\$13,300	2033	**	5	\$5,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : North Facade</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : North Facade</i>								
Windows								
Aluminum	70%	Now	\$4,600	2036	**	5	\$200	
<i>Air Infiltration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : All Windows</i>								
<i>Bent/Warped Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor Window Sills</i>								
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Windows</i>								
Aluminum	30%			2036	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Ground Floor</i>								
<i>Explanation : Protective Metal Grilles</i>								
Parapets								
Masonry: Brick Cavity	90%	0-2	\$4,400	LIFE	**	5	\$1,900	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations - Exterior Parapet Wall</i>								
Pre-Cast Concrete	10%	0-2	\$400	LIFE	**	5	\$1,300	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Coping Stones</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 20%</i>								
<i>Location : Coping Stones</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY FIRST LINE SUPERVISORS BLDG #8
Asset # : 1992

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Modified Bitumen	100%	Now	\$76,700	2038	**			
<i>Blisters, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Perimeter Flashing, Lower Roof</i>								
<i>Ponding, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Upper And Lower Roofs</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Bathroom And First Floor Room 1</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Upper And Lower Roofs</i>								
Interior								
Floors								
Cast in Place Concrete	30%	0-2	\$7,600	LIFE	**	5	\$8,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Thresholds Below Overhead Doors And Apparatus Floor</i>								
Ceramic Tile	5%			2037	**	5	\$600	
Quarry Tile	5%			2041	**	5	\$900	
Vinyl Tile	60%			2033	**	3	\$2,700	
<i>Recent Replace Evident, Extent : Light, Area Affected : 40%</i>								
<i>Location : First Floor</i>								
Interior Walls								
Ceramic Tile	5%			2037	**	5	\$400	
Concrete Masonry Unit	60%			LIFE	**	5	\$3,900	
Gypsum Board	15%			LIFE	**	5-10	\$2,100	
SGFT/Glazed Masonry	20%			LIFE	**	10	\$800	
Ceilings								
AcousTileSusp.Lay-In	60%	2-4	\$11,700	2041	**	5	\$3,600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Meter Room, Logistics/ Hazmat, Office Area</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Room 1</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Room 1, 2nd Floor Bathroom</i>								
Exposed Struc: Steel	25%			LIFE	**	10	\$6,100	
Gypsum Board	15%			LIFE	**	5-10	\$6,300	
Site Enclosure								
Fence/Gates								
Chain link	100%			2048	**			
Site Pavements								

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY FIRST LINE SUPERVISORS BLDG #8
Asset # : 1992

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%	Now	\$300	2041		**		
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*Cracking/Crumbling, Extent : Light, Area Affected : 15%**Location : Apron At Overhead Doors And Entry Pad (South)*

Parking/Driveway

Asphalt	100%			2037		**		
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2028	\$2,500	5		
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Electrical Room**Explanation : 2- Main Service Switches Rated @ 400 Amperes Each.*

Raceway

Conduit	100%			2028	\$13,900	1		
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Panelboards

Fused Disc Sw	10%			2027	\$2,200	5		
Molded Case Bkrs	80%			2027	\$17,900	5	\$200	
Molded Case Bkrs	10%			2036	**	5		

Wiring

Thermoplastic	100%			2028	\$18,500	1		
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Motor Controllers

Locally Mounted	100%			2026	\$45,200	5	\$100	
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$300	
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Water Meter Room**Explanation : Connected To Metal Water Pipe*

Stand-by Power

Transfer Switches

Automatic	100%			2026	\$21,900	1	\$3,000	
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Electrical Room**Explanation : No Available Amperage Nameplate Rating*

Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY FIRST LINE SUPERVISORS BLDG #8
Asset # : 1992

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	75%			2023	\$15,800	10	\$6,600	
<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	20%			2028	\$4,200	10	\$1,800	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Hallway And 2nd Floor</i>								
Fluorescent	5%	Now	\$1,100	2038		* *		
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Locker Room</i>								
<i>Explanation : Not Functional : T12 Lamps</i>								
Egress Lighting								
Emergency, Service	80%			2023	\$3,800	1		
Exit, Service	20%	Now	\$500	2038		* *		1
<i>Not Functioning, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Exterior Lighting								
HID	100%			2036		* *		10
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 8- HID Light Fixtures Controlled By Photocell</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Fuel Oil No 2	100%			2038		* *	\$3,000	
Conversion Equipment Hot Water Boiler	100%			2033		* *	\$4,700	
<i>Boiler Used For Hot Water, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : 1 Unit</i>								
Distribution Hot Wtr Piping/Pump	100%			2036		* *	\$700	
Terminal Devices Air Handler	20%			2028	\$25,200	1	\$1,200	
Convactor/Radiator	70%			2033		* *	\$2,200	
Unit Heater - Steam	10%			2028	\$3,200	4	\$100	
Air Conditioning								
Energy Source Electricity	100%			2036		* *		1

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY FIRST LINE SUPERVISORS BLDG #8
Asset # : 1992

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Conversion Equipment								
	Window/Wall Unit	80%		2023	\$15,000	1		
	No Component	20%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%		LIFE	**	2-5	\$8,500	
Exhaust Fans								
	Roof	20%		2028	\$3,000	2	\$100	
	No Component	80%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%		2038	**	1		
Sanitary Piping								
	Cast Iron	100%		LIFE	**	1		
Storm Drain Piping								
	Cast Iron	100%		LIFE	**	1		
Sewage Ejector(s)								
	Electric	100%	Now	\$1,000	2033	**	4	\$400
<i>Broken, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Sewer Ejectors Located In Pit Adjacent To Building, One Pump Out Of Service And Another Has Float Problem</i>								
Fixtures								
	Generic	100%						
Fire Suppression								
Sprinkler								
	No Component	85%						
	Generic	15%		2038	**	1-2	\$400	

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FIRE ACADEMY MASK SERVICE UNIT BLDG #7
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.060 / 1991 **Yr Built/Renovated** : 1975 / 2004
Area Sq Ft : 10,534 **Project Type** : FIRE DEPARTMENT
Date of Survey : 01-Nov-2016 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Electrical		\$120,700
Mechanical		\$149,700
Total		\$270,400
Importance Code A		\$75,900
Importance Code B		\$194,500
Total		\$270,400

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$39,200		\$1,600	
Interior Architecture	\$43,200		\$1,500	\$500
Electrical	\$1,100	\$700	\$900	\$2,300
Mechanical	\$4,400	\$1,400	\$1,800	\$1,100
Total	\$88,000	\$2,100	\$5,800	\$4,000
Importance Code A	\$39,700	\$500	\$2,100	\$500
Importance Code B	\$45,200	\$1,600	\$3,700	\$3,400
Importance Code C	\$3,000			
Total	\$88,000	\$2,100	\$5,800	\$4,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY MASK SERVICE UNIT BLDG #7
Asset # : 1991

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick Cavity	57%			LIFE	**	5	\$7,900	
Masonry: Brick Cavity	25%	0-2	\$6,500	LIFE	**	5	\$1,700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Story And Rear Walls</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : At Expansion Joints And Window Openings</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout Side And Rear Elevations</i>								
Metal Sect. OHD	15%			2041	**	5	\$3,300	
Window Wall	3%			2048	**	5	\$800	
Windows								
Aluminum	65%	Now	\$2,000	2053	**	5		1
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Story And Rear Windows At Sills</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 2nd Story</i>								
Aluminum	35%			2044	**	5		
Parapets								
Masonry: Brick Cavity	60%			LIFE	**	5-10	\$11,900	
Masonry: Brick Cavity	25%			LIFE	**	5-10	\$5,000	
Pre-Cast Concrete	10%			LIFE	**	5	\$3,700	
Pre-Cast Concrete	5%			LIFE	**	5	\$1,800	
Roof								
Built-Up (BUR)	30%			2028	\$16,200	10	\$3,500	
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Yard</i>								
<i>Explanation : Wood Deck</i>								
Modified Bitumen	70%	Now	\$9,600	2033	**			
<i>Blisters, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Roof Above First Floor Offices</i>								
<i>Ponding, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Roof Above First Floor Offices</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Roof Above First Floor Offices</i>								
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$11,000	
Cast in Place Concrete	10%			LIFE	**	5	\$2,800	
Ceramic Tile	5%			2037	**	5	\$300	
Quarry Tile	5%			2041	**	5	\$500	
Vinyl Tile	40%	0-2	\$4,300	2028	\$21,300	3	\$900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Various Work Rooms Throughout, 2nd Story Stairs</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY MASK SERVICE UNIT BLDG #7
Asset # : 1991

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Interior Walls

Ceramic Tile	3%			2037	**	5	\$100
Concrete Masonry Unit	42%			LIFE	**	5	\$900
Gypsum Board	15%			LIFE	**	5-10	\$700
SGFT/Glazed Masonry	40%	Now	\$2,100	LIFE	**		

Cracking/Crumbling, Extent : Moderate, Area Affected : 5%

Location : Apparatus Room

Ceilings

AcousTileSusp.Lay-In	40%			2041	**	5	\$2,500
Exposed Struc: Steel	40%	0-2	\$26,400	LIFE	**		

Paint Peeling, Extent : Moderate, Area Affected : 50%

Location : Throughout Ceiling Of Original Building

Exposed Struc: Steel	10%			LIFE	**	10	\$1,300
Gypsum Board	10%			LIFE	**	5-10	\$2,200

Site Pavements

Parking/Driveway

Asphalt	100%			2031	**		
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2048	**	5	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Electrical Room

Explanation : 2- Main Service Disconnect Switches Rated @ 400 Amperes Each.

Switchgear / Switchboard

Molded Case Bkrs	100%			2028	\$81,000	5	\$300
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Raceway

Conduit	75%			2028	\$16,600	1	
Conduit	25%			2048	**	1	

Panelboards

Fused Disc Sw	10%			2027	\$3,000	5	
Molded Case Bkrs	65%			2027	\$19,400	5	\$200
Molded Case Bkrs	25%			2044	**	5	\$100

Wiring

Thermoplastic	75%			2028	\$18,200	1	
Thermoplastic	25%			2048	**	1	

Motor Controllers

Locally Mounted	100%			2033	**	5	\$100
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Ground

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY MASK SERVICE UNIT BLDG #7
Asset # : 1991

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ground								
	Grounding Devices							
	Generic	100%			LIFE	**	5	\$300
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Water Meter Room</i>						
		<i>Explanation : Connected To Metal Water Pipe</i>						
Stand-by Power								
	Transfer Switches							
	Automatic	100%			2041	**	1	\$3,200
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Electrical Room</i>						
		<i>Explanation : No Available Amperage Nameplate Rating</i>						
	Generators							
	Diesel	100%			2037	**	1	\$4,100
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : Emergency Generator Rated @ 425kva. Supplies Emergency Power To Buildings # 6,7,8,10,14</i>						
	Batteries							
	Lead/Acid	100%			2022	\$1,500	5	\$400
	Fuel Storage							
	Main Tank	100%			2056	**	5	\$300
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside/ Generator Area</i>						
		<i>Explanation : Belly Tank; 700 Gallons Rated Capacity</i>						
Lighting								
	Interior Lighting							
	Fluorescent	4%			2033	**	10	\$400
		<i>T-5 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Office</i>						
	Fluorescent	92%			2033	**	10	\$8,900
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
	Fluorescent	2%			2033	**	10	\$200
		<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Hallway</i>						
	HID	2%			2033	**	10	
	Egress Lighting							
	Emergency, Service	40%			2028	\$2,100	1	
	Emergency, Battery	20%			2028	\$2,800	10	\$500
	Exit, Service	40%			2028	\$1,100	1	
	Exterior Lighting							
	HID	100%			2028	\$39,700	10	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 12 HID Light Fixtures Controlled By Photocell</i>						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY MASK SERVICE UNIT BLDG #7
Asset # : 1991

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Fuel Oil No 2	100%			2038	**	5	\$3,300	
Conversion Equipment								
Hot Water Boiler	100%			2026	\$75,900	1	\$5,200	
<i>Boiler Used For Hot Water, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2036	**	4	\$800	
Terminal Devices								
Convactor/Radiator	30%			2026	\$15,800	1	\$1,000	
Fan Coil Unit/Heat	50%			2023	\$73,800	1	\$1,700	
Fan Coil Unit/Heat	20%			2036	**	1	\$700	
Air Conditioning								
Energy Source								
Electricity	100%			2036	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	20%			2036	**	2	\$100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 20%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Roof</i>								
<i>Explanation : Using 410a Refrigerant</i>								
Split Unit	10%			2028	\$21,000			
Window/Wall Unit	40%			2023	\$8,200	1		
No Component	30%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2028	\$13,100	1	\$300	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	80%			LIFE	**	2-5	\$7,400	
Ductwork/Diffusers	20%			LIFE	**	2-5	\$1,900	
<i>Recent Installation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Exhaust Fans								
Roof	100%			2028	\$16,400	2	\$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2038	**	1		
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY MASK SERVICE UNIT BLDG #7
Asset # : 1991

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Backflow Preventer							
	Generic	100%			2023	\$2,500	1	\$600
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : 1st Floor</i>					
			<i>Explanation : Backflow Preventor Only With Sprinkler System.</i>					
Fixtures								
	Generic	100%						
Fire Suppression								
	Sprinkler							
	No Component	75%						
	Generic	25%			2038	**	1-2	\$700

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FIRE ACADEMY SUBWAY SIMULATOR, BLDG. 14
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.014 / 13719 **Yr Built/Renovated** : 2005 /
Area Sq Ft : 5,753 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Nov-2016 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$29,500		\$2,400	
Interior Architecture	\$35,000		\$500	
Electrical	\$100			
Mechanical	\$17,300	\$600	\$1,100	\$500
Total	\$82,000	\$600	\$4,000	\$500
Importance Code A	\$29,800	\$300	\$2,700	\$300
Importance Code B	\$49,600	\$300	\$1,300	\$200
Importance Code C	\$2,600			
Total	\$82,000	\$600	\$4,000	\$500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY SUBWAY SIMULATOR, BLDG. 14
Asset # : 13719

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast in Place Concrete	5%			LIFE	**	5	\$7,600	
		<i>Other Observation, Extent : Light, Area Affected : 5%</i>						
		<i>Location : East Side</i>						
		<i>Explanation : Exterior Stairway To Roof.</i>						
Concrete Masonry Unit	85%			LIFE	**	5	\$16,200	
		<i>Efflorescence, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Throughout</i>						
Metal Coiling Doors	10%			2041	**	5	\$4,800	
Windows								
Metal Louvers	100%			2037	**	10	\$2,500	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$8,400	
		<i>Other Observation, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Top Of Parapet</i>						
		<i>Explanation : Coping</i>						
Concrete Masonry Unit	90%			LIFE	**	5-10	\$14,600	
Roof								
Built-Up (BUR)	80%			2033	**	10	\$12,900	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Stone Ballast</i>						
Built-Up (BUR)	20%			2033	**	10	\$3,200	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Concrete Pavers</i>						
Interior								
Floors								
Cast in Place Concrete	90%			LIFE	**	5	\$33,900	
Vinyl Tile	10%			2033	**	3	\$300	
		<i>Other Observation, Extent : Light, Area Affected : 20%</i>						
		<i>Location : Classroom</i>						
		<i>Explanation : The Classroom Floor Has Stains In Several Areas</i>						
Interior Walls								
Concrete Masonry Unit	92%			LIFE	**	5	\$4,700	
Concrete Masonry Unit	8%			LIFE	**	5	\$400	
		<i>Other Observation, Extent : Moderate, Area Affected : 8%</i>						
		<i>Location : At Train Platform</i>						
		<i>Explanation : 6 X 6 Units</i>						
Ceilings								
AcousTileSusp.Lay-In	10%			2041	**	5	\$900	
Exposed Struc: Steel	90%			LIFE	**	10	\$15,500	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY SUBWAY SIMULATOR, BLDG. 14
Asset # : 13719

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	100%			2048	**	1		
Panelboards								
Molded Case Bkrs	100%			2044	**	5	\$200	
Wiring								
Thermoplastic	100%			2048	**	1		
Motor Controllers								
Locally Mounted	100%			2041	**	5		
Lighting								
Interior Lighting								
Fluorescent	85%			2033	**	10	\$4,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	10%			2033	**	10	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Classrooms And Offices</i>								
<i>Explanation : T-5 Lamps</i>								
Fluorescent	1%			2033	**	10	\$100	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Hallway</i>								
HID	1%			2033	**	10		
LED	3%			2033	**			
Egress Lighting								
Emergency, Service	40%			2033	**	1		
Emergency, Battery	10%			2033	**	10	\$100	
Exit, LED	50%			2056	**	1		
Exterior Lighting								
HID	65%			2033	**	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 11 HID Light Fixtures Controlled By Timer Switch</i>								
LED	35%			2033	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 6 LED Light Fixtures Controlled By A Timer Switch And Photocells</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Fuel Oil No 2	100%			2048	**	5	\$1,800	
<i>No. 2 Fuel Oil, Extent : Light, Area Affected : 100%</i>								
<i>Location : Oil Tank Above Ground Infront Of Building</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY SUBWAY SIMULATOR, BLDG. 14
Asset # : 13719

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment Hot Water Boiler	100%			2048	**	1	\$2,800	
<i>Repairs In Progress, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : 1 Unit</i>								
Distribution Hot Wtr Piping/Pump	100%			2044	**	4	\$400	
Terminal Devices Air Handler	40%			2033	**	1	\$1,400	
Convector/Radiator	20%			2041	**	1	\$400	
Unit Heater - Steam	40%			2033	**	4	\$200	
Air Conditioning								
Energy Source Electricity	100%			2050	**	1		
Conversion Equipment Exterior Pkg Unit - Cooling	10%			2033	**	2		
<i>R-22 Refrigerant, Extent : Light, Area Affected : 10%</i>								
<i>Location : Roof</i>								
No Component	90%							
Ventilation								
Distribution Ductwork/Diffusers	100%	0-2	\$14,900	LIFE	**	2-5	\$3,200	
<i>Needs Cleaning, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Exhaust Fans Roof	100%			2033	**	2	\$200	
Plumbing								
H/C Water Piping Brass/Copper	100%			2048	**	1		
Water Heater Electric	100%			2026		4	\$4,700	
Sanitary Piping Cast Iron	100%	Now	\$2,000	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
Backflow Preventer No Component	90%							
Generic	10%			2033	**	1		
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : For Boiler Only</i>								
Fixtures Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FIRE ACADEMY TRAINING BLDGS - FIELD HOUSE #12
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.012 / 13553 **Yr Built/Renovated** : 2003 /
Area Sq Ft : 40,857 **Project Type** : FIRE DEPARTMENT
Date of Survey : 31-Oct-2016 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,1M,2M
Block : 1819 **Lot** : 40 **BIN** : 1085911

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$43,100	\$64,800
Interior Architecture	\$116,200	\$124,400
Total	\$159,300	\$189,200
Importance Code A	\$43,100	\$64,800
Importance Code B	\$116,200	\$124,400
Total	\$159,300	\$189,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$78,800		\$19,700	
Interior Architecture	\$94,100			\$500
Electrical	\$2,800	\$2,300	\$3,100	\$2,300
Mechanical	\$200	\$400	\$300	\$200
Total	\$176,000	\$2,700	\$23,100	\$3,000
Importance Code A	\$78,800		\$19,700	
Importance Code B	\$71,500	\$2,700	\$3,500	\$2,500
Importance Code C	\$25,700			\$500
Total	\$176,000	\$2,700	\$23,100	\$3,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY TRAINING BLDGS - FIELD HOUSE #12
Asset # : 13553

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick Cavity	30%	2-4	\$43,100	LIFE	**	5	\$23,100	
<i>Efflorescence, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : North Facade</i>								
Metal Panel	45%	Now	\$12,400	2048	**	5	\$64,800	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : At Joints</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : South Facade</i>								
Metal Sect. OHD	15%			2041	**	5	\$36,000	
Pre-Cast Concrete	3%			LIFE	**	5	\$15,000	
Window Wall	7%			2048	**	5	\$20,200	
Windows								
Aluminum	100%			2044	**	5	\$11,600	
Parapets								
Concrete Masonry Unit	15%	0-2	\$1,500	LIFE	**	5	\$1,300	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : North Parapets</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : North Parapets</i>								
Masonry: Brick Cavity	20%			LIFE	**	5-10	\$10,300	
Metal Rail	2%			2041	**	5-10	\$2,700	
Pre-Cast Concrete	8%			LIFE	**	5	\$7,600	
No Component	55%							
Roof								
Cast in Place Concrete	25%			LIFE	**	10	\$22,400	
Metal Panel	55%	Now	\$16,700	2041	**			
<i>Drains Clogged, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Where Angular Roof Planes Converge</i>								
Modified Bitumen	20%			2033	**	10	\$10,800	
Interior								
Floors								
Cast in Place Concrete	68%	Now	\$27,000	LIFE	**	5	\$91,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Trench Drain At Apron</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Simulated Street Area</i>								
<i>Explanation : Radiant Flooring</i>								
Cast in Place Concrete	25%			LIFE	**	5	\$66,900	
Ceramic Tile	7%	2-4	\$4,100	2037	**	5	\$2,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY TRAINING BLDGS - FIELD HOUSE #12
Asset # : 13553

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Interior

Interior Walls

Ceramic Tile	2%			2037	**	5	\$1,000	
Concrete Masonry Unit	75%			LIFE	**	5	\$28,600	
Gypsum Board	5%			LIFE	**	5-10	\$4,000	
Masonry: Brick	12%			LIFE	**	10	\$1,700	

Other Observation, Extent : Light, Area Affected : 100%

Location : Streetscape Mockup On Main Level

Explanation : Simulated Brick Building Facade Mockups

Metal Coiling Doors	6%			2044	**	5	\$14,300	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Streetscape Mockup

Explanation : On Building Facade Mockups

Ceilings

Exposed Struc: Steel	95%			LIFE	**	10	\$116,200	
Metal Panel	5%			LIFE	**	5	\$7,600	

Corrosion/Rusting, Extent : Moderate, Area Affected : 5%

Location : At Roof Drain Penetration

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%			2041	**			
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Parking/Driveway

Asphalt	100%			2037	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2048	**	5	\$200	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Electrical Room

Explanation : Main Service Switch Rated @ 2000 Amperes.

Transformers

Dry Type	100%			2041	**	5	\$200	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Electrical Room

Explanation : Nameplate Ratings, 30kva, 208 Volts - 480/277 Volts

Switchgear / Switchboard

Molded Case Bkrs	100%			2048	**	5	\$1,100	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Electrical Room

Explanation : Nameplate Ratings: 1200 Amperes Bus Rating

Raceway

Conduit	100%			2048	**	1		
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY TRAINING BLDGS - FIELD HOUSE #12
Asset # : 13553

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Fused Disc Sw	10%			2044	**	5	\$100	
Molded Case Bkrs	90%			2044	**	5	\$1,000	
Ground								
Grounding Devices								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : It Is Assumed That It Is Grounded To The Building Structure.</i>								
Stand-by Power								
Transfer Switches								
Manual	100%			2048	**	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	40%			2033	**	10	\$15,000	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Storage</i>								
Fluorescent	40%			2033	**	10	\$15,000	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Simulation Rooms</i>								
HID	10%			2033	**	10	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Atrium</i>								
<i>Explanation : Metal Halide HID</i>								
LED	10%			2033	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Hallways</i>								
<i>Explanation : LED</i>								
Egress Lighting								
Emergency, Service	60%			2033	**	1		
Exit, LED	40%			2056	**	1		
Exterior Lighting								
HID	100%			2033	**	10	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 25 LED Light Fixtures Controlled By Photocells</i>								
Alarm								
Fire/Smoke Detection								
Generic, Digital	100%			2033	**	1-3	\$25,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Addressable Fire Alarm System; Strobe Lights, Manual Pull Stations, Alarm Bells, Smoke Detectors, Horns</i>								

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FIRE DEPARTMENT - 057
FIRE ACADEMY TRAINING BLDGS - FIELD HOUSE #12
Asset # : 13553

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
HTHW/HW	20%			2048	**	1		
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Hot Water Is Supplied From Adjacent Building #11</i>								
No Component	80%							
Distribution								
Hot Wtr Piping/Pump	20%			2044	**	4	\$600	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Hot Water From Adjacent Building #11</i>								
No Component	80%							
Terminal Devices								
Convactor/Radiator	15%			2041	**	1	\$2,000	
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : Ground Level</i>								
<i>Explanation : Radiant Heating Pipes In Floor</i>								
Unit Heater - Steam	5%			2033	**	4	\$200	
No Component	80%							
Ventilation								
Exhaust Fans								
Roof	20%			2033	**	2	\$300	
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	20%			2048	**	1		
No Component	80%							
Water Heater								
Electric	20%			2026	\$6,700	4		
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : 1 Unit</i>								
No Component	80%							
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Two Bathrooms</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FIRE ACADEMY TRAINING TOWER # 1
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.000 / 1988 **Yr Built/Renovated** : 1975 / 2008
Area Sq Ft : 12,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Nov-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3,4,5
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Electrical		\$72,400
Mechanical		\$39,800
Total		\$112,200
Importance Code A		\$39,800
Importance Code B		\$72,400
Total		\$112,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$63,000	\$2,900		
Interior Architecture	\$65,800			
Electrical	\$400	\$400	\$400	\$600
Mechanical	\$2,000	\$500	\$500	\$500
Total	\$131,300	\$3,800	\$900	\$1,100
Importance Code A	\$63,000	\$3,100		\$200
Importance Code B	\$53,200	\$700	\$900	\$900
Importance Code C	\$15,100			
Total	\$131,300	\$3,800	\$900	\$1,100



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY TRAINING TOWER # 1
Asset # : 1988

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	50%			LIFE	**	5	\$22,400	
Masonry: Brick	50%	2-4	\$33,800	LIFE	**	5	\$11,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : This Is A Demonstration Building. The Original Building Was 5,400 Sq.Ft. Another 6,600 Sq.Ft. Were Added In 2008.</i>								
Windows								
Aluminum	100%			2050	**	5	\$5,700	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	70%			LIFE	**	5-10	\$19,400	
Masonry: Brick	30%	Now	\$1,400	LIFE	**	5	\$1,200	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Roof</i>								
<i>Explanation : This Is A Demonstration Building</i>								
Roof								
Skylight, Metal/Glass	2%			2054	**	10	\$1,000	
Traffic Topping	98%			2036	**	10	\$24,800	
Interior								
Floors								
Cast in Place Concrete	95%			LIFE	**	5	\$66,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Steel Grating	5%			2048	**	1		
Interior Walls								
Concrete Masonry Unit	100%			LIFE	**	5	\$30,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceilings								
Exposed Concrete	100%			LIFE	**	5-10	\$20,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	100%			2028	\$22,100	1		
Panelboards								
Molded Case Bkrs	100%			2027	\$29,800	5	\$300	

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY TRAINING TOWER # 1
Asset # : 1988

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Wiring								
Thermoplastic	100%			2028	\$24,200	1		
Lighting								
Interior Lighting								
Fluorescent	15%			2028	\$4,000	10	\$1,700	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Stair Case And 3rd Floor</i>								
Fluorescent	85%			2028	\$22,500	10	\$9,400	
<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Exterior Lighting								
Fluorescent	20%			2028	\$7,700	10	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 3 CFL (Compact Fluorescent Light Fixtures)</i>								
HID	80%			2028	\$36,200	10		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 13 Hid Light Fixtures Controlled By Timer Switch And Photocells</i>								
Alarm								
Security System								
Generic	100%			2028	\$36,200	1	\$4,500	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 1 - CCTV Surveillance Camera</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Electricity	20%			2048	**	1		
No Component	80%							
Conversion Equipment								
Radiant Heater	20%			2028	\$39,800	2	\$1,100	
No Component	80%							
Ventilation								
Exhaust Fans								
Roof	20%			2033	**	2	\$100	
Wall Unit	80%			2028	\$3,200	2	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Fan In Basement To Remove Methane Gas</i>								
Plumbing								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY TRAINING TOWER # 1
Asset # : 1988

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	H/C Water Piping Galvanized Steel	10%			2041	**	1	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : B, 1-5</i>								
<i>Explanation : Standpipe Only</i>								
	No Component	90%						
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1-5</i>								
<i>Explanation : Roof Drains Only</i>								
Sump Pump(s)								
	Non-Submersible	100%	Now	\$1,700	2038	**	4	\$300
<i>Not in Service, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fire Suppression								
	Standpipe Generic	100%			2048	**	1-5	\$6,000

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FIRE ACADEMY VEHICLE PREVENTIVE MAINT BLDG #6
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.050 / 1990 **Yr Built/Renovated** : 1975 / 2004
Area Sq Ft : 14,800 **Project Type** : FIRE DEPARTMENT
Date of Survey : 01-Nov-2016 **Landmark Status** : NONE
Areas Surveyed : Floors 1,2
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$45,600	
Interior Architecture	\$95,800	
Electrical		\$55,800
Total	\$141,400	\$55,800
Importance Code A	\$45,600	
Importance Code B	\$48,100	\$55,800
Importance Code C	\$47,700	
Total	\$141,400	\$55,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$10,800			
Interior Architecture	\$67,900	\$600		\$2,300
Electrical	\$1,500	\$1,300	\$1,600	\$1,400
Mechanical	\$8,400	\$1,200	\$2,500	\$1,200
Site Pavements	\$3,000			
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$95,500	\$7,000	\$8,000	\$8,900
Importance Code A	\$11,500	\$700	\$700	\$700
Importance Code B	\$69,900	\$6,300	\$7,300	\$7,500
Importance Code C	\$14,100			\$700
Total	\$95,500	\$7,000	\$8,000	\$8,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY VEHICLE PREVENTIVE MAINT BLDG #6
Asset # : 1990

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick Cavity	70%	Now	\$45,600	LIFE	**	5	\$6,100	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations Above Overhead Doors</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Above 2nd Story Window</i>								
<i>Patching Evident, Extent : Light, Area Affected : 20%</i>								
<i>Location : All Facades</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Base Of Building</i>								
<i>Weepholes Not Funct, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Mortar Saturated - North Facade</i>								
Metal Sect. OHD	30%	4+	\$4,100	2041	**	5	\$4,100	
<i>Paint Peeling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Door Frames</i>								
Windows								
Aluminum	40%			2044	**	5	\$800	
Wood	60%			2044	**	5	\$12,600	
Parapets								
Not Accessible	100%							
Roof								
Not Accessible	100%							
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$9,500	LIFE	**	5	\$20,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations Throughout Apparatus Floor</i>								
Cast in Place Concrete	20%			LIFE	**	5	\$20,000	
Ceramic Tile	5%			2037	**	5	\$1,100	
Vinyl Tile	35%	Now	\$20,400	2033	**	3	\$3,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Second Floor Office, Corridor, Locker Room, Kitchenette And Stair</i>								
<i>Uneven Substrate, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout Second Floor</i>								
Interior Walls								
Ceramic Tile	5%			2037	**	5	\$1,400	
Concrete Masonry Unit	75%	Now	\$47,700	LIFE	**	5	\$8,600	
<i>Vertical Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Stairwell To Second Floor</i>								
SGFT/Glazed Masonry	20%	0-2	\$11,100	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Apparatus Area</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY VEHICLE PREVENTIVE MAINT BLDG #6
Asset # : 1990

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	15%	0-2	\$2,800	2033	**	5	\$1,700	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Room 201, 202, 203 And Locker Rooms</i>								
AcousTileSusp.Lay-In	5%			2045	**	5	\$1,100	
Exposed Struc: Steel	50%	Now	\$48,100	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor, Original Building</i>								
Exposed Struc: Steel	20%			LIFE	**	10	\$9,100	
Gypsum Board	10%			LIFE	**	5-10	\$7,900	
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	0-2	\$3,000	2033	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Overhead Door Thresholds And Curbs</i>								
Parking/Driveway								
Asphalt	100%			2037	**			
Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2048	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : 2- Main Service Disconnect Switches Rated @ 1200 Amperes Each.</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2048	**	5	\$100	
Raceway								
Conduit	85%			2028	\$18,800	1		
Conduit	15%			2048	**	1		
Panelboards								
Fused Disc Sw	5%			2027	\$1,500	5		
Molded Case Bkrs	80%			2027	\$23,900	5	\$300	
Molded Case Bkrs	15%			2044	**	5	\$100	
Wiring								
Thermoplastic	85%			2028	\$20,600	1		
Thermoplastic	15%			2048	**	1		
Motor Controllers								
Locally Mounted	20%			2041	**	5		
Locally Mounted	80%			2033	**	5	\$100	
Ground								

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FIRE DEPARTMENT - 057
FIRE ACADEMY VEHICLE PREVENTIVE MAINT BLDG #6
Asset # : 1990

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Water Meter Room</i>								
<i>Explanation : Connected To Metal Water Pipe.</i>								
Stand-by Power								
Transfer Switches Automatic	100%			2041	**	1	\$4,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : No Available Amperage Nameplate Rating</i>								
Lighting								
Interior Lighting Fluorescent	40%			2033	**	10	\$5,400	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
HID	60%			2028		10	\$300	
Egress Lighting Emergency, Service Exit, LED	65%			2033	**	1		
	35%			2056	**	1		
Exterior Lighting								
HID	100%			2028		10	\$55,800	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 15 HID Light Fixtures Controlled By Photocells</i>								
Alarm								
Fire/Smoke Detection Generic, Digital	100%			2033	**	1-3	\$9,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Addressable Fire Alarm System; Manual Pull Station, Alarm Bells, Strobe Lights, Smoke Detectors, Horns</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Fuel Oil No 2	100%			2038	**	5	\$4,600	

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FIRE DEPARTMENT - 057
FIRE ACADEMY VEHICLE PREVENTIVE MAINT BLDG #6
Asset # : 1990

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
	Conversion Equipment							
	Furnace	20%			2028	\$6,500	1	\$1,500
			<i>Not in Service, Extent : Severe, Area Affected : 20%</i>					
			<i>Location : Roof</i>					
			<i>Other Observation, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Roof</i>					
			<i>Explanation : 1 Unit</i>					
	Hot Water Boiler	80%			2033	**	1	\$5,900
			<i>Other Observation, Extent : Light, Area Affected : 80%</i>					
			<i>Location : 1st Floor Boiler Room</i>					
			<i>Explanation : 1 Unit</i>					
	Distribution							
	Hot Wtr Piping/Pump	100%	Now	\$400	2036	**	4	\$700
			<i>Leak Evident, Extent : Severe, Area Affected : 80%</i>					
			<i>Location : Pum(P-6-1) In The 1st Floor Boiler Room.</i>					
	Terminal Devices							
	Convactor/Radiator	50%			2033	**	1	\$2,400
	Unit Heater - Steam	50%			2033	**	4	\$700
Air Conditioning								
	Energy Source							
	Electricity	100%			2044	**	1	
	Conversion Equipment							
	Exterior Pkg Unit - Cooling	20%			2038	**	2	\$200
			<i>Recent Installation, Extent : Light, Area Affected : 20%</i>					
			<i>Location : 2 Units, On The Roof, Using 410 A Refrigerant.</i>					
	No Component	80%						
Ventilation								
	Distribution							
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$13,100
	Exhaust Fans							
	Roof	85%			2028	\$19,500	2	\$400
	Wall Unit	15%			2028	\$700	2	\$100
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%	Now	\$2,100	2048	**	1	
			<i>Corroded, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Water Main.</i>					
	Water Heater							
	Electric	50%			2023	\$6,100	4	\$100
	Electric	50%			2026	\$6,100	4	
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY VEHICLE PREVENTIVE MAINT BLDG #6
Asset # : 1990

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Backflow Preventer							
	No Component	90%						
	Generic	10%			2033	**	1	\$100
			<i>Other Observation, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Boiler Room</i>					
			<i>Explanation : For Boiler Only</i>					
<hr/>								
	Fixtures							
	Generic	100%						
<hr/>								
Fire Suppression								
	Sprinkler							
	No Component	80%						
	Generic	20%			2038	**	1-2	\$800
<hr/>								

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FORT TOTTEN - BLDG. # 103 EMS BATTALION STATION
Address : 103 TOTTEN AVENUE EMS OPERATIONS/SOC
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.103 / 13737 **Yr Built/Renovated** : 1892 /
Area Sq Ft : 4,591 **Project Type** : FIRE DEPARTMENT
Date of Survey : 09-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Floors 1
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Interior Architecture		\$42,600
Total		\$42,600
Importance Code B		\$42,600
Total		\$42,600

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$26,800			
Interior Architecture	\$10,000			\$600
Electrical	\$5,300	\$100	\$8,300	\$100
Mechanical	\$23,900	\$300	\$900	\$400
Total	\$66,000	\$400	\$9,100	\$1,100
Importance Code A	\$26,900	\$200	\$200	\$200
Importance Code B	\$36,900	\$300	\$8,900	\$900
Importance Code C	\$2,200			
Total	\$66,000	\$400	\$9,100	\$1,100



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 103 EMS BATTALION STATION
Asset # : 13737

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Alum/Vinyl Siding	5%			2036	**	10	\$100		
Cast in Place Concrete	10%			LIFE	**	5	\$4,400		
Masonry: Brick	85%	Now	\$24,500	LIFE	**	5	\$7,500		
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>									
<i>Location : Throughout</i>									
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Various Locations</i>									
Windows									
Aluminum	100%			2034	**	5	\$1,000		
Roof									
Asphalt Shingle	100%			2029	**	10	\$1,700		
Interior									
Floors									
Ceramic Tile	5%	0-2	\$600	2029	**	5	\$100		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>									
<i>Location : Bathroom</i>									
Quarry Tile	10%			2039	**	5	\$800		
<i>Worn/Eroded, Extent : Light, Area Affected : 50%</i>									
<i>Location : Various Locations</i>									
Vinyl Tile	85%	0-2	\$4,300	2026	\$42,600	3	\$1,700		
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Throughout</i>									
Interior Walls									
Ceramic Tile	5%	2-4	\$600	2029	**	5	\$200		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>									
<i>Location : Toilets</i>									
Concrete Masonry Unit	10%			LIFE	**	5	\$300		
Gypsum Board	50%			LIFE	**	5	\$2,300		
Masonry: Brick	5%	Now	\$1,600	LIFE	**				
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 50%</i>									
<i>Location : Basement</i>									
Plaster	5%			LIFE	**	5	\$100		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>									
<i>Location : Basement</i>									
<i>Deteriorated Finish, Extent : Light, Area Affected : 10%</i>									
<i>Location : Basement</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Basement</i>									
Wood	25%			LIFE	**	5	\$7,600		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Various Locations Throughout</i>									
<i>Explanation : Wood Panel Interior Finish</i>									

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 103 EMS BATTALION STATION
Asset # : 13737

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Interior

Ceilings

AcousTileSusp.Lay-In	95%			2039	**	5	\$5,100	
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Misaligned/Bulging, Extent : Light, Area Affected : 5%

Location : Basement

Gypsum Board	5%			LIFE	**	5	\$300	
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2036	**	5		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement Electrical Room.

Explanation : 2-200 Amperes Switches

Raceway

Conduit	100%			2036	**	1		
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Panelboards

Molded Case Bkrs	100%			2034	**	5	\$100	
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Wiring

Thermoplastic	100%			2036	**	1		
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Motor Controllers

Locally Mounted	100%			2031	**	5		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Lighting

Interior Lighting

Fluorescent	100%			2026	\$8,600	10	\$3,300	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Throughout The Building

Explanation : T-8 Fixtures In Use.

Egress Lighting

Emergency, Battery	50%			2031	**	10	\$400	
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Exit, Battery	50%			2031	**	10	\$100	
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Exterior Lighting

HID	50%			2026	\$9,500	10		
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No Component	50%							
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Alarm

Security System

No Component	50%							
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Generic	50%			2021	\$7,600	1	\$900	
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FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 103 EMS BATTALION STATION
Asset # : 13737

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Fire/Smoke Detection

No Component

90%

Generic, Analog

10% 4+

\$5,200

2036

* *

1-3

\$300

*Local/Battery Operated Detect, Extent : Light, Area Affected : 100%**Location : Throughout*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Fuel Oil No 2

100%

2036

* *

5

\$1,100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 2 - 275 Gallon Tanks With Spill Protection*

Conversion Equipment

Hot Water Boiler

100%

2043

* *

1

\$1,800

*Recent Installation, Extent : Light, Area Affected : 100%**Location : Basement**Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : New Burner*

Distribution

Hot Wtr Piping/Pump

100%

2034

* *

4

\$200

Terminal Devices

Convactor/Radiator

100%

2031

* *

1

\$1,200

Air Conditioning

Energy Source

Electricity

100%

2042

* *

1

Conversion Equipment

Split Unit

30% 0-2

\$23,600

2036

* *

*Malfunctioning, Extent : Moderate, Area Affected : 30%**Location : Classroom*

Window/Wall Unit

70%

2024

\$5,400

1

Heat Rejection

No Component

30%

No Component

70%

Ventilation

Exhaust Fans

Interior

100%

2026

\$13,100

2

\$100

Plumbing

H/C Water Piping

Brass/Copper

100%

2046

* *

1

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 103 EMS BATTALION STATION
Asset # : 13737

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing	Water Heater Oil Fired	100%			2024	\$3,100	1	\$100
			<i>Recent Repair Evident, Extent : Light, Area Affected : 50%</i>					
			<i>Location : Basement</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 1 - 40 Gallon Unit</i>					
Sanitary Piping	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Fixtures	Generic	100%						

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FORT TOTTEN - BLDG. # 107 CLASSROOM/ADMIN.
Address : 107 DUANE AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.107 / 13738 **Yr Built/Renovated** : 1896 / 2007
Area Sq Ft : 12,404 **Project Type** : FIRE DEPARTMENT
Date of Survey : 09-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Floors 1,2
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$66,800
Mechanical	\$108,200	\$45,100
Total	\$108,200	\$111,900
Importance Code A		\$66,800
Importance Code B	\$108,200	\$45,100
Total	\$108,200	\$111,900

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$15,000		\$3,600	
Interior Architecture	\$23,700	\$2,400		\$5,400
Electrical	\$14,000	\$100	\$100	\$300
Mechanical	\$1,700	\$2,000	\$18,100	\$1,700
Total	\$54,300	\$4,500	\$21,900	\$7,300
Importance Code A	\$16,200	\$1,200	\$4,800	\$1,200
Importance Code B	\$38,100	\$900	\$17,000	\$6,100
Importance Code C		\$2,400		
Total	\$54,300	\$4,500	\$21,900	\$7,300



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 107 CLASSROOM/ADMIN.
Asset # : 13738

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	87%			LIFE	**	5	\$66,800	
<i>Diagonal Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Attached Storage Shed</i>								
<i>Efflorescence, Extent : Light, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
Masonry: Granite	5%			LIFE	**	5	\$2,900	
Masonry: Limestone	5%	Now	\$9,200	LIFE	**	5	\$2,900	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Above Pull-up Door In Rear</i>								
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Metal Sect. OHD	3%			2031	**	5	\$7,200	
Windows								
Aluminum	100%			2034	**	5	\$11,600	
Roof								
Asphalt Shingle	100%			2035	**	10	\$9,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Asphalt Shingles Are Designed To Appear To Be Historic Slate</i>								
Interior								
Floors								
Cast in Place Concrete	20%			LIFE	**	5	\$26,800	
Mosaic Tile	10%			2043	**	5	\$15,300	
Vinyl Tile	70%			2031	**	3	\$21,400	
Interior Walls								
Cast in Place Concrete	5%			LIFE	**			
Cast Stone/Terra Cotta	5%			LIFE	**			
Ceramic Tile	10%			2035	**	5	\$4,800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Toilets</i>								
Gypsum Board	50%			LIFE	**	5	\$14,300	
Masonry: Brick	30%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	60%			2039	**	5	\$36,700	
Gypsum Board	30%			LIFE	**	5	\$22,900	
Masonry: Infill Arch	10%			LIFE	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 107 CLASSROOM/ADMIN.
Asset # : 13738

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment Not Accessible	100%							
Raceway								
Conduit	100%			2036	**	1		
Panelboards								
Molded Case Bkrs	100%			2042	**	5	\$300	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Recently Installed With Renovation On The 1st And 2nd Floors</i>								
Wiring								
Thermoplastic	100%			2046	**	1		
Motor Controllers								
Locally Mounted	100%			2031	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Grounding Device</i>								
Lighting								
Interior Lighting								
Fluorescent	100%			2026	\$29,600	10	\$11,400	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Egress Lighting								
Emergency, Battery	50%			2026	\$9,100	10	\$1,500	
Exit, Battery	50%			2026	\$6,200	10	\$400	
Exterior Lighting								
HID	50%			2026	\$25,500	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior</i>								
<i>Explanation : Controlled Via Photocell</i>								
No Component	50%							
Alarm								
Fire/Smoke Detection								
No Component	90%							
Generic, Analog	10%	4+	\$14,000	2036	**	1-3	\$700	
<i>Devices Missing, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 107 CLASSROOM/ADMIN.
Asset # : 13738

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Fuel Oil	100%			2046	**	5	\$3,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 275 Gallon Tanks</i>								
Conversion Equipment								
Steam Boiler	100%			2031	**	1	\$12,300	
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Mechanical Room</i>								
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Mechanical Room</i>								
<i>Explanation : One Oil Fired Steam Boiler</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2036	**	4	\$900	
Terminal Devices								
Convactor/Radiator	100%			2031	**	1	\$4,000	
Air Conditioning								
Energy Source								
Electricity	100%			2042	**	1		
Conversion Equipment								
Split Unit	100%	2-4	\$108,200	2034	**			
<i>Other Observation, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : 1st And 2nd Floor</i>								
<i>Explanation : 2 Units On Extended Life 1 Unit Poorly Installed</i>								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$16,100	
Ventilation								
Exhaust Fans								
Interior	100%			2026	\$45,100	2	\$400	
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2039	**	1		
Water Heater								
Oil Fired	100%			2021	\$10,500	1	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Mechanical Room</i>								
<i>Explanation : Indirect Hot Water Heater</i>								
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FORT TOTTEN - BLDG. # 129 EMS CHAUFFEUR TRAINING SIMULATOR
Address : 129 SGT. BEERS AVENUE EVOC/CPR
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.129 / 13740 **Yr Built/Renovated** : 1871 /
Area Sq Ft : 4,566 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$36,600	
Mechanical		\$38,500
Total	\$36,600	\$38,500
Importance Code A	\$36,600	
Importance Code B		\$38,500
Total	\$36,600	\$38,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$34,200		\$100	
Interior Architecture	\$12,300			\$500
Electrical	\$3,800	\$100	\$4,800	\$200
Mechanical	\$700	\$800	\$7,600	\$900
Total	\$50,900	\$900	\$12,500	\$1,500
Importance Code A	\$34,600	\$400	\$500	\$400
Importance Code B	\$10,300	\$400	\$11,900	\$1,100
Importance Code C	\$6,000			
Total	\$50,900	\$900	\$12,500	\$1,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 129 EMS CHAUFFEUR TRAINING SIMULATOR
Asset # : 13740

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	10%	Now	\$800	LIFE	**	5	\$3,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Exterior Stair To Basement</i>								
Masonry: Brick	85%	Now	\$36,600	LIFE	**	5	\$5,600	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout.</i>								
<i>Spalling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	5%			LIFE	**	5	\$200	
Windows								
Aluminum	100%			2051	**	5	\$200	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Roof								
Slate	100%	4+	\$33,400	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Mostly Above Gutter.</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	5%			LIFE	**	5	\$700	
Vinyl Tile	50%			2031	**	3	\$1,700	
Vinyl Tile 9" X 9"	5%	Now	\$4,000	2036	**	3	\$100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cracked And Deteriorated Throughout Entry Vestibule</i>								
Wood	40%	Now	\$1,900	2054	**	5	\$2,500	
<i>Deteriorated Finish, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout 2nd Floor</i>								
Interior Walls								
Cast in Place Concrete	85%			LIFE	**			
Ceramic Tile	5%	Now	\$500	2035	**	5	\$200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Kitchen</i>								
Masonry: Brick	5%	Now	\$5,400	LIFE	**			
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
Plaster	5%	Now	\$100	LIFE	**	5	\$100	
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 1st Floor Studio Area/ Kitchen At Wall Base.</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 129 EMS CHAUFFEUR TRAINING SIMULATOR
Asset # : 13740

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

Plaster

100% LIFE * * 5 \$4,200
Paint Peeling, Extent : Light, Area Affected : 15%
Location : Throughout

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw

100% 2052 * * 5
Other Observation, Extent : Light, Area Affected : 100%
Location : Basement
Explanation : One (1) 100 Amperes Service Switch

Raceway

Conduit

90% 2036 * * 1

Conduit

10% 2026 \$400 1

Panelboards

Molded Case Bkrs

100% 2042 * * 5 \$100

Wiring

Thermoplastic

90% 2036 * * 1

Thermoplastic

10% 2026 \$900 1

Ground

Grounding Devices

Generic

100% LIFE * * 5 \$100
Other Observation, Extent : Light, Area Affected : 100%
Location : One (1) Installed Outside And One (1) Installed In The Electrical Room
Explanation : 2-ground Rods Installed.

Lighting

Interior Lighting

Fluorescent

97% 2031 * * 10 \$3,900
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%
Location : Throughout

Incandescent

3% 2021 \$800 2

Egress Lighting

Emergency, Service

30% 2026 \$700 1

Exit, Service

70% 2026 \$900 1

Exterior Lighting

HID

100% 2031 * * 10

Alarm

Security System

No Component

Generic

50% 50% Now \$3,800 2036 * * 1 \$800
Malfunctioning, Extent : Light, Area Affected : 50%
Location : Throughout The Building

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 129 EMS CHAUFFEUR TRAINING SIMULATOR
Asset # : 13740

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Fuel Oil No 2	100%			2036	**	5	\$1,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 275 Gallon Tanks With Spill Protection</i>								
Conversion Equipment								
Steam Boiler	100%			2039	**	1	\$4,400	
Distribution								
Central Plant Steam Piping/Pmp	100%			2036	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2031	**	1	\$1,400	
Air Conditioning								
Energy Source								
Electricity	100%			2042	**	1		
Conversion Equipment								
Split Unit	40%			2026			\$38,500	
Window/Wall Unit	60%			2021		1	\$5,600	
Distribution								
Ductwork/Diffusers	40%			LIFE	**	2	\$2,300	
No Component	60%							
Terminal Devices								
Air Handler/Cool/Ht	40%			2031	**	1	\$1,100	
No Component	60%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2046	**	1		
HW Heat Exchanger								
Steam Fired	100%			2046	**	4	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Domestic Coil No Storage</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FORT TOTTEN - BLDG. # 139 EMS MEDICAL FILE STORAGE
Address : 139 SGT. BEERS LANE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.139 / 14323 **Yr Built/Renovated** :
Area Sq Ft : 9,381 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Roof, Floors 1,2
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$47,400	
Interior Architecture	\$41,400	\$103,500
Total	\$88,800	\$103,500
Importance Code A	\$47,400	
Importance Code B	\$41,400	\$103,500
Total	\$88,800	\$103,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$40,400			
Interior Architecture	\$24,300	\$700		\$1,400
Electrical	\$5,500			
Total	\$70,100	\$700		\$1,400
Importance Code A	\$40,400			
Importance Code B	\$5,500	\$700		\$1,400
Importance Code C	\$24,300			
Total	\$70,100	\$700		\$1,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 139 EMS MEDICAL FILE STORAGE
Asset # : 14323

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	50%	Now	\$11,100	2046	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Throughout Facade</i>								
<i>Explanation : Vegetation Growth</i>								
Masonry: Brick	50%	Now	\$25,200	LIFE	**	5	\$15,300	
<i>Vegetation Growth, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Exterior Facade.</i>								
Windows								
Aluminum	100%	4+	\$47,400	2042	**	5	\$2,600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Roof								
Asphalt Shingle	100%			2029	**	10	\$4,100	
Interior								
Floors								
Cast in Place Concrete	5%			LIFE	**	5	\$1,400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : No Access</i>								
Ceramic Tile	10%			2035	**	5	\$1,300	
Vinyl Tile	85%	Now	\$41,400	2026	\$103,500	3	\$4,200	
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Debris And Abandoned Storage Materials Everywhere</i>								
Interior Walls								
Ceramic Tile	5%	Now	\$2,500	2035	**	5	\$400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bathrooms.</i>								
Gypsum Board	95%	Now	\$21,800	LIFE	**	5	\$9,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Ceilings								
Gypsum Board	100%			LIFE	**	5	\$16,400	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Paint Peeling</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 139 EMS MEDICAL FILE STORAGE
Asset # : 14323

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts Service Equipment Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Building Is Abandoned; Used For Storage</i>						
Raceway Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Building Is Abandoned; Used For Storage</i>						
Panelboards Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Building Is Abandoned; Used For Storage</i>						
Wiring Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Building Is Abandoned; Used For Storage</i>						
Ground Grounding Devices Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Building Is Abandoned; Used For Storage</i>						
Lighting Interior Lighting Incandescent	10%	Now	\$5,000	2036		**	2	
		<i>Not in Service, Extent : Light, Area Affected : 100%</i>						
		<i>Location : All Floors</i>						
No Component	90%							
Exterior Lighting HID	25%	Now	\$500	2031		**		
		<i>Not in Service, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Front Entrance Light</i>						
No Component	75%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 139 EMS MEDICAL FILE STORAGE
Asset # : 14323

Mechanical	Current Repair		Future Replacement		Maintenance			
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Entire Building</i>						
		<i>Explanation : Building Unoccupied In Very Poor Condition</i>						
<hr/>								
Conversion Equipment								
Not Accessible	100%							
<hr/>								
Distribution								
Not Accessible	100%							
<hr/>								
Terminal Devices								
Not Accessible	100%							
<hr/>								
Air Conditioning								
Energy Source								
Not Accessible	100%							
<hr/>								
Conversion Equipment								
Not Accessible	100%							
<hr/>								
Distribution								
Not Accessible	100%							
<hr/>								
Terminal Devices								
Not Accessible	100%							
<hr/>								
Heat Rejection								
Not Accessible	100%							
<hr/>								
Dehumidifier								
Not Accessible	100%							
<hr/>								
Ventilation								
Distribution								
Not Accessible	100%							
<hr/>								
Exhaust Fans								
Not Accessible	100%							
<hr/>								
Plumbing								
H/C Water Piping								
Not Accessible	100%							
<hr/>								
Water Heater								
Not Accessible	100%							
<hr/>								
HW Heat Exchanger								
Not Accessible	100%							
<hr/>								
Sanitary Piping								
Not Accessible	100%							
<hr/>								
Storm Drain Piping								
Not Accessible	100%							
<hr/>								
Sump Pump(s)								
Not Accessible	100%							
<hr/>								
Pool Filter/Treatment								
Not Accessible	100%							
<hr/>								
Sewage Ejector(s)								
Not Accessible	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 139 EMS MEDICAL FILE STORAGE
Asset # : 14323

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
	Backflow Preventer							
	Not Accessible	100%						
Fixtures								
	Not Accessible	100%						
Vertical Transport								
	Elevators							
	Not Accessible	100%						
	Escalators							
	Not Accessible	100%						
Fire Suppression								
	Standpipe							
	Not Accessible	100%						
	Sprinkler							
	Not Accessible	100%						
	Fire Pump							
	Not Accessible	100%						
	Chemical System							
	Not Accessible	100%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FORT TOTTEN - BLDG. # 309 EMS HAZMAT/ PARAMEDIC TRAINING
Address : 309 PRATT AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.309 / 13755 **Yr Built/Renovated** : 1897 /
Area Sq Ft : 4,874 **Project Type** : FIRE DEPARTMENT
Date of Survey : 09-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Floors 1
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$57,600
Interior Architecture	\$41,900	\$494,300
Total	\$41,900	\$551,900
Importance Code A		\$57,600
Importance Code B	\$41,900	\$370,600
Importance Code C		\$123,700
Total	\$41,900	\$551,900

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$11,800			\$5,800
Interior Architecture	\$72,200	\$1,500	\$25,200	\$400
Electrical	\$16,600	\$100	\$16,300	\$100
Mechanical	\$2,200	\$800	\$11,800	\$600
Total	\$102,900	\$2,400	\$53,300	\$6,900
Importance Code A	\$12,300	\$500	\$500	\$6,300
Importance Code B	\$49,400	\$1,900	\$52,700	\$600
Importance Code C	\$41,100			
Total	\$102,900	\$2,400	\$53,300	\$6,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 309 EMS HAZMAT/ PARAMEDIC TRAINING
Asset # : 13755

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	5%	Now	\$11,800	LIFE	**	5	\$19,200	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Entrance Stair</i>								
Masonry: Brick	75%			LIFE	**	5	\$57,600	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Shed Addition</i>								
Masonry: Granite	20%			LIFE	**	5	\$11,500	
Windows								
Aluminum	100%			2042	**	5	\$11,600	
Roof								
Asphalt Shingle	100%			2035	**	10	\$9,000	
Interior								
Floors								
Cast in Place Concrete	35%	4+	\$24,300	LIFE	**	5	\$46,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Basement Floor.</i>								
Ceramic Tile	5%			2035	**	5	\$3,100	
Quarry Tile	55%			2031	**	5	\$50,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Terracotta Tile.</i>								
Vinyl Tile	5%			2031	**	3	\$1,500	
Interior Walls								
Ceramic Tile	5%	Now	\$14,300	2029	**	5	\$1,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Bathrooms.</i>								
Masonry: Brick	10%	Now	\$10,100	LIFE	**			
<i>Efflorescence, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Basement Walls.</i>								
Granite Panels	20%	Now	\$16,700	LIFE	**			
<i>Efflorescence, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout Basement</i>								
Wood	65%			LIFE	**	5	\$123,700	
Ceilings								
AcousTileConcealSpLn	60%	Now	\$6,500	2024	\$323,700	5	\$22,900	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout Main Floor Ceiling.</i>								
Exposed Struc: Wood	20%	Now	\$41,900	LIFE	**			
<i>Split/Cracked, Extent : Light, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout Basement</i>								
Plaster	20%			LIFE	**	5	\$7,600	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 309 EMS HAZMAT/ PARAMEDIC TRAINING
Asset # : 13755

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment Molded Case Bkrs	100%			2036	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : In Basement</i>								
<i>Explanation : 1-100 Amperes Service Switch.</i>								
Raceway Conduit	100%			2026	\$4,100	1		
Panelboards Molded Case Bkrs	100%			2034	**	5	\$100	
Wiring Thermoplastic	100%			2026	\$8,900	1		
Motor Controllers Locally Mounted	100%			2024	\$7,800	5		
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : In Basement Under Steps.</i>								
<i>Explanation : Grounding Device</i>								
Lighting								
Interior Lighting Fluorescent	100%			2021	\$11,600	10	\$4,500	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Egress Lighting Emergency, Battery	50%			2026	\$3,600	10	\$600	
Exit, Battery	50%			2026	\$2,400	10	\$200	
Alarm								
Fire/Smoke Detection No Component Generic, Analog	70%	30%	4+	\$16,500	2036	**	1-3	\$800
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Fuel Oil No 2	100%			2036	**	5	\$1,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 275 Gallon Tanks</i>								

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FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 309 EMS HAZMAT/ PARAMEDIC TRAINING
Asset # : 13755

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Conversion Equipment Steam Boiler	100%			2043	**	1	\$4,800	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Explanation : Unit 6 Years Old</i>								
Distribution Central Plant Steam Piping/Pmp	100%			2036	**	4	\$400	
Terminal Devices Convactor/Radiator	100%			2031	**	1	\$1,600	
Air Conditioning								
Energy Source Electricity	100%			2042	**	1		
Conversion Equipment Window/Wall Unit	100%			2021		1	\$10,400	
Plumbing								
H/C Water Piping Brass/Copper	100%			2046	**	1		
Water Heater Electric	100%	2-4	\$1,600	2026	\$1,600	4		
<i>On Extended Life, Extent : Light, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit - 50 Gallons</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Plastic/PVC	100%			2039	**	1		
Fixtures								
Generic	100%							

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FORT TOTTEN - BLDG. # 318 GENERAL STORAGE
Address : 318 MURRAY AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.318 / 13761 **Yr Built/Renovated** : 1926 /
Area Sq Ft : 12,966 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Roof, Floors 1
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL

Total

Importance Code

Total

EXPENSE

Total

Importance Code

Total



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 318 GENERAL STORAGE
Asset # : 13761

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Exterior

Exterior Walls

Not Accessible 100%

Windows

Not Accessible 100%

Parapets

Not Accessible 100%

Roof

Not Accessible 100%

Interior

Floors

Not Accessible 100%

Interior Walls

Not Accessible 100%

Ceilings

Not Accessible 100%

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Not Accessible 100%

*Other Observation, Extent : Light, Area Affected : 0%**Location : Entire**Explanation : Building Abandoned. Old Y.m.c.a. 10 Years Unoccupied.*

Transformers

Not Accessible 100%

Switchgear / Switchboard

Not Accessible 100%

Raceway

Not Accessible 100%

Panelboards

Not Accessible 100%

Wiring

Not Accessible 100%

Motor Controllers

Not Accessible 100%

Ground

Grounding Devices

Not Accessible 100%

Stand-by Power

Transfer Switches

Not Accessible 100%

Generators

Not Accessible 100%

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 318 GENERAL STORAGE
Asset # : 13761

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Batteries								
Not Accessible	100%							
Fuel Storage								
Not Accessible	100%							
Lighting								
Interior Lighting								
Not Accessible	100%							
Egress Lighting								
Not Accessible	100%							
Exterior Lighting								
Not Accessible	100%							
Lightning Protection								
Arresters/Cabling								
Not Accessible	100%							
Alarm								
Security System								
Not Accessible	100%							
Fire/Smoke Detection								
Not Accessible	100%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Not Accessible	100%							
Conversion Equipment								
Not Accessible	100%							
Distribution								
Not Accessible	100%							
Terminal Devices								
Not Accessible	100%							
Air Conditioning								
Energy Source								
Not Accessible	100%							
Conversion Equipment								
Not Accessible	100%							
Distribution								
Not Accessible	100%							
Terminal Devices								
Not Accessible	100%							
Heat Rejection								
Not Accessible	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 318 GENERAL STORAGE
Asset # : 13761

Mechanical System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Air Conditioning							
Dehumidifier							
Not Accessible	100%						
Ventilation							
Distribution							
Not Accessible	100%						
Exhaust Fans							
Not Accessible	100%						
Plumbing							
H/C Water Piping							
Not Accessible	100%						
Water Heater							
Not Accessible	100%						
HW Heat Exchanger							
Not Accessible	100%						
Sanitary Piping							
Not Accessible	100%						
Storm Drain Piping							
Not Accessible	100%						
Sump Pump(s)							
Not Accessible	100%						
Pool Filter/Treatment							
Not Accessible	100%						
Sewage Ejector(s)							
Not Accessible	100%						
Backflow Preventer							
Not Accessible	100%						
Fixtures							
Not Accessible	100%						
Vertical Transport							
Elevators							
Not Accessible	100%						
Escalators							
Not Accessible	100%						
Fire Suppression							
Standpipe							
Not Accessible	100%						
Sprinkler							
Not Accessible	100%						
Fire Pump							
Not Accessible	100%						
Chemical System							
Not Accessible	100%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FORT TOTTEN - BLDG. # 325 EMS ACADEMY
Address : 325 PRATT AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.325 / 13739 **Yr Built/Renovated** : 1894 /
Area Sq Ft : 31,892 **Project Type** : FIRE DEPARTMENT
Date of Survey : 29-May-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$463,400	\$65,300
Electrical	\$74,100	\$59,100
Mechanical	\$125,600	\$401,800
Total	\$663,100	\$526,300
Importance Code A	\$589,000	\$65,300
Importance Code B	\$74,100	\$461,000
Total	\$663,100	\$526,300

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$42,700			
Interior Architecture	\$48,400		\$1,200	\$6,900
Electrical	\$2,900	\$5,000	\$25,900	\$2,400
Mechanical	\$1,900	\$2,900	\$13,300	\$3,700
Total	\$95,900	\$7,900	\$40,400	\$13,000
Importance Code A	\$43,500	\$1,600	\$1,600	\$1,600
Importance Code B	\$52,400	\$6,300	\$37,600	\$11,400
Importance Code C			\$1,200	
Total	\$95,900	\$7,900	\$40,400	\$13,000



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 325 EMS ACADEMY
Asset # : 13739

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$30,000	
Masonry: Brick	35%	Now	\$265,500	LIFE	**	5	\$26,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Low Masonry Walls At Exterior Stairs</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Gymnasium/ Locker Room Wing</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Gymnasium/ Locker Room Wing</i>								
Masonry: Brick	50%			LIFE	**	5	\$38,400	
Stucco Cement	5%	Now	\$6,100	2031	**	5	\$4,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Exterior Stairs Foundation Wall</i>								
Wood	5%	Now	\$11,000	2043	**	5	\$9,600	
<i>Paint Peeling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Gymnasium Wing Eaves</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Gymnasium Wing Eaves</i>								
Windows								
Aluminum	100%			2034	**	5	\$11,600	
Roof								
Asphalt Shingle	98%	0-2	\$19,800	2022	\$197,900			
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Over Classrooms</i>								
Metal Panel	2%			2043	**	10	\$2,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Covered Area Over Front Door</i>								
<i>Explanation : Standing Seam Metal Roof</i>								
Interior								
Floors								
Ceramic Tile	10%			2039	**	5	\$6,100	
Vinyl Tile	90%			2031	**	3	\$27,500	
<i>Recent Construction, Extent : Light, Area Affected : 30%</i>								
<i>Location : Gymnasium Locker Room Wing</i>								
<i>Repairs in Progress, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement In Main Building</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 325 EMS ACADEMY
Asset # : 13739

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	5%			2041	**	5	\$2,400	
<i>Recent Construction, Extent : Light, Area Affected : 40%</i>								
<i>Location : Gymnasium Locker Room Wing</i>								
Concrete Masonry Unit	5%			LIFE	**	5	\$1,000	
Gypsum Board	35%			LIFE	**	5	\$10,000	
<i>Recent Replace Evident, Extent : Light, Area Affected : 50%</i>								
<i>Location : Locker Room, Toilets, Gymnasium</i>								
<i>Repairs in Progress, Extent : Light, Area Affected : 50%</i>								
<i>Location : Basement Construction</i>								
Plaster	55%			LIFE	**	5	\$7,900	
Ceilings								
AcousTileSusp.Lay-In	40%			2039	**	5	\$24,500	
Plaster	60%	Now	\$26,300	LIFE	**	5	\$22,900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Below Kitchen, Main Boiler Room</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 20%</i>								
<i>Location : 3rd Floor Classrooms</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Below Kitchen, Main Boiler Room</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2046	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Rear Wing.</i>								
<i>Explanation : 600 Amperes Service Switch.</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2046	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Rear Wing.</i>								
<i>Explanation : Recently Installed Equipment.</i>								
Raceway								
Conduit	20%			2046	**	1		
Conduit	80%			2026	\$3,300	1		
Panelboards								
Molded Case Bkrs	10%			2042	**	5	\$100	
Molded Case Bkrs	90%			2025	\$14,700	5	\$800	
Wiring								
Thermoplastic	10%			2046	**	1		
Thermoplastic	90%			2026	\$8,000	1		
Motor Controllers								
Locally Mounted	100%			2031	**	5	\$200	

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 325 EMS ACADEMY
Asset # : 13739

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Ground Wires Connect To Ground Rod And Water Main</i>								
Stand-by Power								
Transfer Switches Automatic	100%			2039	**	1	\$9,800	
Generators								
Diesel	100%			2035	**	1	\$12,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior</i>								
<i>Explanation : 250 Kw Generator Installed In 2014</i>								
Batteries								
Lead/Acid	100%			2020	\$1,600	5	\$1,200	
Fuel Storage								
Main Tank	100%			2054	**	5	\$900	
Lighting								
Interior Lighting Fluorescent	50%			2021	\$38,100	10	\$14,600	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building 325 (Front Wing)</i>								
LED	50%			2031	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building 325 (Rear Wing)</i>								
<i>Explanation : Led Lighting Recently Installed</i>								
Egress Lighting								
Emergency, Service	50%			2021	\$8,600	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Recently Installed Fixtures</i>								
Exit, Service	50%			2031	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Recently Installed Fixtures.</i>								
Exterior Lighting								
HID	45%			2026	\$59,100	10		
Incandescent	5%			2026	\$5,600	2		
No Component	50%							
Alarm								
Fire/Smoke Detection No Component	90%							
Generic, Analog	10%			2021	\$36,000	1-3	\$2,000	
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 325 EMS ACADEMY
Asset # : 13739

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Fuel Oil No 2	50%			2046	**	5	\$4,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior</i>								
<i>Explanation : 1800 Double Wall Tank With Leak Detection Serves Front Building</i>								
Fuel Oil No 2	50%			2046	**	5	\$4,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 500 Gallon Double Wall Tank With Leak Detection Serves Rear Building</i>								
Conversion Equipment								
Hot Water Boiler	50%			2039	**	1	\$7,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Rear Building</i>								
Hot Water Boiler	50%	Now	\$125,600	2046	**	1	\$7,100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Jacket Parts Missing Or Deteriorated. General Condition Is Very Poor.</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2034	**	4	\$1,600	
Terminal Devices								
Convactor/Radiator	100%			2031	**	1	\$10,300	
Air Conditioning								
Energy Source								
Electricity	100%			2042	**	1		
Conversion Equipment								
Split Unit	50%			2026			\$347,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Serves Rear Building</i>								
Window/Wall Unit	50%			2024			\$33,900	1
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Serves Front Building</i>								
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2	\$20,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Rear Building</i>								
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$3,600	
No Component	80%							
Exhaust Fans								
Roof	100%			2026			\$54,100	2
							\$1,000	

Plumbing

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 325 EMS ACADEMY
Asset # : 13739

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
H/C Water Piping								
Brass/Copper	50%			2046	**	1		
Under Construction	50%							
Water Heater								
Oil Fired	100%			2024	\$27,000	1	\$900	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2- 90 Gallon Units</i>						
Sanitary Piping								
Cast Iron	50%			LIFE	**	1		
Under Construction	50%							
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sewage Ejector(s)								
No Component	50%							
Under Construction	50%							
Fixtures								
Generic	100%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FORT TOTTEN - BLDG. # 332 FORMER THEATRE
Address : 332 PRATT AVENUE
Borough : QUEENS **Agency's Number** : 332
Program / Asset # : FIR0020.332 / 13766 **Yr Built/Renovated** : 1939 /
Area Sq Ft : 6,288 **Project Type** : FIRE DEPARTMENT
Date of Survey : 27-May-2015 **Landmark Status** : EXTERIOR, HISTORICAL DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$2,992,900	\$179,500
Interior Architecture	\$643,700	
Mechanical	\$254,600	\$240,200
Total	\$3,891,200	\$419,700
Importance Code A	\$3,034,500	\$179,500
Importance Code B	\$294,700	\$240,200
Importance Code C	\$562,100	
Total	\$3,891,200	\$419,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$30,300			
Interior Architecture	\$17,200			
Mechanical	\$36,300	\$600	\$2,700	\$600
Total	\$83,800	\$600	\$2,700	\$600
Importance Code A	\$30,300	\$600	\$600	\$600
Importance Code B	\$53,500		\$2,100	
Importance Code C				
Total	\$83,800	\$600	\$2,700	\$600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 332 FORMER THEATRE
Asset # : 13766

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	10%	Now	\$473,300	LIFE	**	5	\$64,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations Around Building</i>								
Masonry: Brick	90%	Now	\$2,279,000	LIFE	**	5	\$115,400	
<i>Vegetation Growth, Extent : Light, Area Affected : 75%</i>								
<i>Location : Various Locations Around Building</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations Around Building</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Entire Building</i>								
<i>Explanation : Building Is Abandoned. Not In Use.</i>								
Windows								
Wood	100%	Now	\$30,300	2051	**	5	\$5,000	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Various Locations Around Building</i>								
Roof								
Slate	100%	Now	\$240,600	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Various Locations</i>								
Interior								
Floors								
Sheet Vinyl/Rubber	10%	Now	\$4,600	2036	**	5	\$5,300	
<i>Adhesion Failure, Extent : Light, Area Affected : 90%</i>								
<i>Location : Second Floor</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Second Floor</i>								
Not Accessible	40%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Basement</i>								
<i>Explanation : Flooded</i>								
Not Accessible	50%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : First Floor</i>								
<i>Explanation : Most Doors Boarded Closed. One Door Obstructed With Debris.</i>								
Interior Walls								
Plaster	100%	Now	\$562,100	LIFE	**	5	\$19,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Various Locations</i>								
<i>Deteriorated Finish, Extent : Light, Area Affected : 100%</i>								
<i>Location : Various Locations</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 332 FORMER THEATRE
Asset # : 13766

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileConcealSpLn	2%	Now	\$12,600	2046	**	5	\$900	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Second Floor</i>								
<i>Misaligned/Bulging, Extent : Light, Area Affected : 50%</i>								
<i>Location : Second Floor</i>								
Plaster	8%	Now	\$81,600	LIFE	**	5	\$3,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Projection Booth</i>								
Not Accessible	90%							

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Building Is Abandoned</i>								
Transformers								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Building Is Abandoned</i>								
Switchgear / Switchboard								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Building Is Abandoned</i>								
Raceway								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Building Is Abandoned</i>								
Panelboards								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Building Is Abandoned</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 332 FORMER THEATRE
Asset # : 13766

Electrical	Current Repair		Future Replacement		Maintenance			
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Wiring								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Building Is Abandoned</i>						
<hr/>								
Motor Controllers								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Building Is Abandoned</i>						
<hr/>								
Ground								
Grounding Devices								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Building Is Abandoned</i>						
<hr/>								
Stand-by Power								
Transfer Switches								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Building Is Abandoned</i>						
<hr/>								
Generators								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Building Is Abandoned</i>						
<hr/>								
Batteries								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Building Is Abandoned</i>						
<hr/>								
Fuel Storage								
Not Accessible	100%							
<hr/>								
Lighting								
Interior Lighting								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Building Is Abandoned</i>						
<hr/>								
Egress Lighting								
Not Accessible	100%							
<hr/>								
Lightning Protection								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 332 FORMER THEATRE
Asset # : 13766

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lightning Protection

Arresters/Cabling

Not Accessible

100%

*Other Observation, Extent : Light, Area Affected : 0%**Location : Throughout**Explanation : Building Is Abandoned*

Alarm

Security System

Not Accessible

100%

*Other Observation, Extent : Light, Area Affected : 0%**Location : Throughout**Explanation : Building Is Abandoned*

Fire/Smoke Detection

Not Accessible

100%

*Other Observation, Extent : Light, Area Affected : 0%**Location : Throughout**Explanation : Building Is Abandoned*

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Fuel Oil

100%

Now

\$16,900

2056

**

5

\$1,000

*Abandoned in Place, Extent : Severe, Area Affected : 100%**Location : Basement*

Conversion Equipment

Steam Boiler

100%

Now

\$41,600

2046

**

1

\$5,600

*Abandoned in Place, Extent : Severe, Area Affected : 100%**Location : Basement*

Distribution

Not Accessible

100%

Terminal Devices

Not Accessible

100%

Air Conditioning

Energy Source

Electricity

100%

Now

\$19,400

2051

**

1

*Abandoned in Place, Extent : Severe, Area Affected : 100%**Location : 2nd Floor*

Conversion Equipment

Interior Pkg Unit -

Cooling

100%

Now

\$144,100

2027

\$240,200

2

\$300

*Abandoned in Place, Extent : Severe, Area Affected : 100%**Location : 2nd Floor*

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 332 FORMER THEATRE
Asset # : 13766

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning	Distribution							
	Ductwork/Diffusers	100%	Now	\$69,000	LIFE	**	2	\$8,200
<i>Abandoned in Place, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Plumbing	H/C Water Piping							
	Not Accessible	100%						
	HW Heat Exchanger							
	Not Accessible	100%						
	Sanitary Piping							
	Not Accessible	100%						
	Storm Drain Piping							
	Not Accessible	100%						
	Sump Pump(s)							
	Not Accessible	100%						
	Backflow Preventer							
	Not Accessible	100%						
	Fixtures							
	Not Accessible	100%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FORT TOTTEN - BLDG. # 333 QUARTERMASTER
Address : 333 PRATT AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.333 / 13767 **Yr Built/Renovated** : 1897 / 1997
Area Sq Ft : 17,602 **Project Type** : FIRE DEPARTMENT
Date of Survey : 27-May-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$398,000	\$36,500
Interior Architecture	\$168,900	
Electrical	\$39,800	\$37,700
Mechanical	\$113,800	\$44,200
Total	\$720,500	\$118,500
Importance Code A	\$398,000	\$36,500
Importance Code B	\$322,500	\$82,000
Total	\$720,500	\$118,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$52,700			
Interior Architecture	\$38,900		\$6,200	\$2,100
Electrical	\$800	\$1,100	\$8,300	\$900
Mechanical	\$35,600	\$3,000	\$38,600	\$2,200
Total	\$128,000	\$4,000	\$53,100	\$5,200
Importance Code A	\$85,400	\$1,600	\$1,700	\$1,600
Importance Code B	\$42,300	\$2,400	\$51,400	\$3,600
Importance Code C	\$300			
Total	\$128,000	\$4,000	\$53,100	\$5,200



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 333 QUARTERMASTER
Asset # : 13767

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Exterior									
Exterior Walls									
Alum/Vinyl Siding	15%			2036	**	10	\$2,000		
Cast in Place Concrete	5%	Now	\$26,500	LIFE	**	5	\$10,800		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 50%</i>									
<i>Location : Ramp</i>									
Masonry: Brick	70%	Now	\$99,200	LIFE	**	5	\$30,100		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 30%</i>									
<i>Location : Throughout</i>									
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
<i>Vegetation Growth, Extent : Light, Area Affected : 25%</i>									
<i>Location : Various Locations</i>									
Masonry: Fieldstone	10%			LIFE	**	5	\$3,200		
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>									
<i>Location : Various Locations</i>									
Windows									
Wood	100%			2034	**	5	\$73,000		
<i>Air Infiltration, Extent : Light, Area Affected : 75%</i>									
<i>Location : Various Locations, Due To Window AC Units</i>									
Roof									
Asphalt Shingle	100%	Now	\$26,200	2022	\$262,300				
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>									
<i>Location : Various Locations</i>									
Interior									
Floors									
Cast in Place Concrete	20%	Now	\$2,800	LIFE	**	5	\$10,800		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 30%</i>									
<i>Location : Basement</i>									
Ceramic Tile	2%	Now	\$3,100	2035	**	5	\$200		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>									
<i>Location : First Floor Men And Women Restrooms</i>									
<i>Loose Units, Extent : Light, Area Affected : 40%</i>									
<i>Location : First Floor Men And Women Restrooms</i>									
Sheet Vinyl/Rubber	10%			2034	**	5	\$3,700		
Vinyl Tile	48%	Now	\$109,700	2036	**	3	\$4,400		
<i>Patching Evident, Extent : Light, Area Affected : 40%</i>									
<i>Location : First Floor</i>									
Vinyl Tile 9" X 9"	20%	Now	\$59,200	2036	**	3	\$1,800		
<i>Adhesion Failure, Extent : Light, Area Affected : 50%</i>									
<i>Location : Basement</i>									
<i>Broken/Missing Elements, Extent : Light, Area Affected : 50%</i>									
<i>Location : Basement</i>									

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 333 QUARTERMASTER
Asset # : 13767

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	2%			2029	**	5	\$600	
Gypsum Board	38%			LIFE	**	5	\$7,200	
Masonry: Brick	5%			LIFE	**			
Plaster	50%			LIFE	**	5	\$4,700	
Wood	5%			LIFE	**	5	\$6,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Lobby</i>								
<i>Explanation : Wainscot</i>								
Ceilings								
AcousTileSusp.Lay-In	50%			2031	**	5	\$12,300	
Embossed Metal	2%	Now	\$4,700	LIFE	**	5	\$200	
<i>Bent/Warped Elements, Extent : Light, Area Affected : 30%</i>								
<i>Location : Basement</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Gypsum Board	48%	Now	\$26,100	LIFE	**	5	\$14,800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 30%</i>								
<i>Location : Basement</i>								
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	50%			2036	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : In Basement Storage Area</i>								
<i>Explanation : 400 Amperes Main Service Switch</i>								
Fused Disc Sw	50%			2036	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : In Basement Storage Room</i>								
<i>Explanation : 30 Amperes Fire Alarm Disconnect Switch</i>								
Raceway								
Conduit	90%			2026	\$3,700	1		
Conduit	10%			2036	**	1		
Panelboards								
Molded Case Bkrs	80%			2025	\$6,500	5	\$400	
Molded Case Bkrs	20%			2034	**	5	\$100	
Wiring								
Thermoplastic	80%			2026	\$7,100	1		
Thermoplastic	20%			2036	**	1		
Motor Controllers								
Locally Mounted	100%			2024	\$15,700	5	\$100	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 333 QUARTERMASTER
Asset # : 13767

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$300	
Stand-by Power								
Transfer Switches Automatic	100%			2031	**	1	\$5,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Emergency Power From Ems Academy Generator</i>								
Lighting								
Interior Lighting Fluorescent	96%			2026	\$37,700	10	\$14,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-12 And T-8 Fixtures Are In Use</i>								
HID	4%			2021	\$5,900	10		
Egress Lighting								
Exit, Service No Component	30%			2021	\$1,500	1		
	70%							
Exterior Lighting								
HID	10%			2026	\$7,300	10		
Incandescent	2%			2026	\$1,200	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Of Building</i>								
<i>Explanation : Exterior Globes</i>								
No Component	88%							
Alarm								
Security System								
No Component	80%							
Generic	20%			2026	\$11,600	1	\$1,300	
Fire/Smoke Detection								
No Component	80%							
Generic, Analog	20%	2-4	\$39,800	2036	**	1-3	\$2,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Obsolete System</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Fuel Oil No 6	100%			2026	\$44,200	5	\$5,100	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 333 QUARTERMASTER
Asset # : 13767

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Conversion Equipment Steam Boiler	100%	2-4	\$32,600	2031	**	1	\$14,700	
<i>Damaged, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Basement Flue Duct Needs To Be Repaired / Replaced</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Mechanical Room</i>								
<i>Explanation : Oil Fired Steam Boiler</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%	4+	\$113,800	2036	**	4	\$800	
<i>Corroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Basement</i>								
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
Terminal Devices								
Convactor/Radiator	100%			2039	**	1	\$5,300	
Air Conditioning								
Energy Source Electricity	100%			2042	**	1		
Conversion Equipment								
Split Unit	10%			2034	**			
<i>Recent Installation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement Data Room</i>								
Window/Wall Unit	90%			2021	\$31,500	1		
Heat Rejection								
Evaporative Condenser	100%			2031	**	2	\$11,500	
Ventilation								
Exhaust Fans Roof	100%			2031	**	2	\$500	
Plumbing								
H/C Water Piping Galvanized Steel	100%			2039	**	1		
HW Heat Exchanger Steam Fired	100%			2036	**	4	\$2,400	
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Not Accessible	100%							
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FORT TOTTEN - BLDG. # 336 FLSTP BILLETS
Address : 336 SHORE ROAD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.336 / 13768 **Yr Built/Renovated** : 1958 / 2002
Area Sq Ft : 23,732 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$40,500	\$87,400
Interior Architecture	\$51,700	\$114,700
Electrical		\$97,800
Mechanical	\$50,400	
Total	\$142,600	\$299,800
Importance Code A	\$40,500	\$87,400
Importance Code B	\$50,400	\$212,500
Importance Code C	\$51,700	
Total	\$142,600	\$299,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$3,100			\$2,100
Interior Architecture	\$17,600	\$4,200	\$2,700	\$306,600
Electrical	\$5,100	\$3,000	\$29,100	\$3,000
Mechanical	\$2,600	\$2,800	\$6,100	\$4,600
Total	\$28,500	\$10,000	\$37,800	\$316,400
Importance Code A	\$4,300	\$1,200	\$1,200	\$3,300
Importance Code B	\$24,200	\$5,100	\$36,600	\$313,100
Importance Code C		\$3,700		
Total	\$28,500	\$10,000	\$37,800	\$316,400



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 336 FLSTP BILLETS
Asset # : 13768

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast in Place Concrete	2%	Now	\$600	LIFE	**	5	\$2,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Boiler Room Entrance, Steps At Entry</i>								
Cast Stone/Terra Cotta	2%			LIFE	**	5	\$4,000	
Masonry: Brick	96%	0-2	\$40,500	LIFE	**	5	\$24,600	
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Brick Open Joints</i>								
Windows								
Aluminum	98%			2042	**	5	\$4,300	
Steel	2%	Now	\$2,500	2042	**	5	\$500	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement Level, Washroom Area</i>								
<i>Explanation : Deteriorated Metal Windows</i>								
Roof								
Built-Up (BUR)	100%			2026		10	\$17,500	
Interior								
Floors								
Carpet	60%			2022	\$296,000	3	\$42,500	
Cast in Place Concrete	10%	Now	\$800	LIFE	**	5	\$7,800	
<i>Water Penetration, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Basement, Washroom Area</i>								
Mosaic Tile	10%			2039	**	5	\$8,900	
Sheet Vinyl/Rubber	10%			2026	\$114,700	5	\$5,300	
Vinyl Tile	10%			2026	\$32,900	3	\$1,300	
Interior Walls								
Cast in Place Concrete	10%	Now	\$51,700	LIFE	**			
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Basement, Washroom Area</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement, Washroom Area</i>								
Ceramic Tile	20%			2035	**	5	\$7,500	
Concrete Masonry Unit	60%			LIFE	**	5	\$9,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement, Washroom Area</i>								
Gypsum Board	10%			LIFE	**	5	\$2,200	
Ceilings								
AcousTileSusp.Lay-In	10%			2039	**	5	\$3,500	
Plaster	90%			LIFE	**	5	\$19,900	
<i>Paint Peeling, Extent : Light, Area Affected : 2%</i>								
<i>Location : First Floor Reception Area</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 336 FLSTP BILLETS
Asset # : 13768

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
	Service Equipment							
	Fused Disc Sw	100%			2046	**	5	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement Service Room.</i>					
			<i>Explanation : 800 Amperes Service Switch.</i>					
<hr/>								
	Transformers							
	Dry Type	100%			2039	**	5	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Outside Electrical Room</i>					
			<i>Explanation : Also Serves Another Building</i>					
<hr/>								
	Switchgear / Switchboard							
	Fused Disc Sw	100%			2052	**	5	\$100
<hr/>								
	Raceway							
	Conduit	100%			2046	**	1	
<hr/>								
	Panelboards							
	Molded Case Bkrs	100%			2048	**	5	\$600
<hr/>								
	Wiring							
	Not Accessible	100%						
<hr/>								
Ground								
	Grounding Devices							
	Generic	100%			LIFE	**	5	\$300
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : In Laundry Room.</i>					
			<i>Explanation : Ground Connection Partially Covered With Insulation.</i>					
<hr/>								
Stand-by Power								
	Transfer Switches							
	Automatic	100%			2031	**	1	\$7,300
<hr/>								
	Generators							
	Diesel	100%			2029	**	1	\$9,200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Building Exterior Near Boiler Room</i>					
			<i>Explanation : 80 Kva Generator</i>					
<hr/>								
	Batteries							
	Lead/Acid	100%			2019	\$1,600	5	\$900
<hr/>								
	Fuel Storage							
	Main Tank	100%			2041	**	5	\$700
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Building Exterior Near Boiler Room</i>					
			<i>Explanation : Belly Tank</i>					
<hr/>								
Lighting								
	Interior Lighting							
	Fluorescent	98%			2031	**	10	\$21,300
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
			<i>Explanation : T-8 And T-12 Fixtures.</i>					
<hr/>								
	Incandescent	2%			2031	**	2	

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 336 FLSTP BILLETS
Asset # : 13768

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Egress Lighting								
Emergency, Battery	70%			2031	**	10	\$4,000	
Exit, Battery	30%			2026	\$7,100	10	\$500	
Exterior Lighting								
HID	100%			2026	\$97,800	10	\$100	

Alarm

Fire/Smoke Detection								
Generic, Analog	100%			2036	**	1-3	\$14,600	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source								
Fuel Oil No 2	100%			2046	**	5	\$7,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Of Building</i>								
<i>Explanation : 3,000 Gallon Tank With Spill Control / Above Ground</i>								

Conversion Equipment								
Hot Water Boiler	100%			2031	**	1	\$11,700	
Distribution								
Hot Wtr Piping/Pump	100%			2034	**	4	\$1,200	
Terminal Devices								
Convactor/Radiator	100%			2031	**	1	\$7,700	

Air Conditioning

Energy Source								
Electricity	100%			2042	**	1		
Conversion Equipment								
Window/Wall Unit	100%			2021	\$50,400	1		

Plumbing

H/C Water Piping								
Brass/Copper	100%			2046	**	1		
HW Heat Exchanger								
Steam Fired	100%			2046	**	4	\$2,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Indirect Heating Tank With 100 Gallon Storage</i>								

Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 336 FLSTP BILLETS
Asset # : 13768

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing	Sump Pump(s) Non-Submersible	100%			2031	**	4	\$800
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Dual Pumps</i>					
	Backflow Preventer No Component Generic	95% 5%			2034	**	1	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Serves Boiler Only</i>					
	Fixtures Generic	100%						
Fire Suppression	Sprinkler Generic	100%			2046	**	1-2	\$6,600

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FORT TOTTEN - BLDG. # 405 EMS ACADEMY - CFR TRAINING
Address : 405 WHISTLER AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.405 / 13772 **Yr Built/Renovated** : 1900 /
Area Sq Ft : 22,392 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$44,000	\$65,300
Electrical	\$9,200	\$48,100
Mechanical	\$45,300	
Total	\$98,500	\$113,400
Importance Code A	\$44,000	\$65,300
Importance Code B	\$54,500	\$48,100
Total	\$98,500	\$113,400

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$19,500	\$4,500		\$5,200
Interior Architecture	\$56,800	\$500		\$33,300
Electrical	\$2,100	\$3,900	\$2,200	\$2,100
Mechanical	\$3,100	\$3,700	\$6,600	\$3,400
Total	\$81,500	\$12,600	\$8,700	\$44,100
Importance Code A	\$21,800	\$6,700	\$2,500	\$7,500
Importance Code B	\$51,900	\$5,400	\$6,200	\$36,600
Importance Code C	\$7,800	\$500		
Total	\$81,500	\$12,600	\$8,700	\$44,100



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 405 EMS ACADEMY - CFR TRAINING
Asset # : 13772

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	2%	Now	\$4,700	LIFE	**	5	\$7,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Concrete Steps At Entry</i>								
Masonry: Brick	20%	Now	\$10,100	LIFE	**	5	\$15,400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Building Extension At Rear</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : Chimney</i>								
Masonry: Brick	65%			LIFE	**	5	\$49,900	
Masonry: Granite	8%			LIFE	**	5	\$4,600	
Wood	5%	Now	\$44,000	2031	**	5	\$9,600	
<i>Paint Peeling, Extent : Moderate, Area Affected : 90%</i>								
<i>Location : Roof Eaves/ Soffits</i>								
<i>Split/Cracked, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Roof Eaves/ Soffits</i>								
Windows								
Aluminum	10%	Now	\$1,100	2042	**	5	\$600	
<i>Glazing Broken/Cracked, Extent : Light, Area Affected : 1%</i>								
<i>Location : North Side</i>								
Aluminum	90%			2042	**	5	\$10,500	
Roof								
Asphalt Shingle	90%	Now	\$3,600	2029	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Vent Cap Located On Roof Is Missing</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 8%</i>								
<i>Location : Main Roof, Affecting Second Floor Ceiling Throughout</i>								
Roll Roofing	10%			2025		5	\$9,000	
Interior								
Floors								
Carpet	3%	4+	\$500	2022	\$25,500	3	\$2,800	
<i>Staining/Discoloring, Extent : Light, Area Affected : 30%</i>								
<i>Location : 1st Floor A/v Conference Room</i>								
Cast in Place Concrete	5%			LIFE	**	5	\$6,700	
Mosaic Tile	2%			2039	**	5	\$3,100	
Vinyl Tile	90%	4+	\$10,200	2031	**	3	\$20,600	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : 1st Floor Cafeteria</i>								
Interior Walls								
Ceramic Tile	2%			2035	**	5	\$1,000	
Concrete Masonry Unit	2%			LIFE	**	5	\$400	
Masonry: Brick	2%			LIFE	**			
Plaster	94%	Now	\$7,800	LIFE	**	5	\$13,400	
<i>Water Penetration, Extent : Moderate, Area Affected : 3%</i>								
<i>Location : Basement Room B03, Second Floor, Meeting Room</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 405 EMS ACADEMY - CFR TRAINING
Asset # : 13772

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Interior

Ceilings

AcousTile,Adhered	10%	Now	\$1,200	2031	**	5	\$3,100	
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Broken/Missing Elements, Extent : Moderate, Area Affected : 8%

Location : Second Floor, Rooms 203, 210 And Hallway

AcousTileSusp.Lay-In	30%			2039	**	5	\$18,300	
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Plaster	60%	Now	\$26,300	LIFE	**	5	\$22,900	
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Paint Peeling, Extent : Light, Area Affected : 10%

Location : 2nd Floor Classrooms

Water Penetration, Extent : Moderate, Area Affected : 12%

Location : Basement Room B03, 2nd Floor Offices.

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2046	**	5	\$600	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : 400 A Panel With Main Breaker Rated At 400a

Transformers

Dry Type	100%			2043	**	5	\$100	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Outside Next To Generator

Explanation : 112.5 Kva Transformer

Raceway

Conduit	33%			2052	**	1		
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Conduit	67%			2036	**	1		
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Panelboards

Molded Case Bkrs	100%			2042	**	5	\$600	
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Wiring

Thermoplastic	33%			2052	**	1		
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Thermoplastic	67%			2036	**	1		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$300	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : Ground Connected To Main Water Supply Line

Stand-by Power

Transfer Switches

Automatic	100%			2039	**	1	\$6,900	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Building Exterior

Explanation : 400 Amp

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 405 EMS ACADEMY - CFR TRAINING
Asset # : 13772

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Generators								
Diesel	100%			2035	**	1	\$8,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior</i>								
<i>Explanation : 80 Kw Cummins Generator</i>								
Batteries								
Lead/Acid	100%			2020	\$1,600	5	\$800	
Fuel Storage								
Main Tank	100%			2054	**	5	\$700	
Lighting								
Interior Lighting								
Fluorescent	90%			2026	\$48,100	10	\$18,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Using T8 And T12 Lamps</i>								
Incandescent	10%			2031	**	2	\$100	
Egress Lighting								
Emergency, Service	50%			2026	\$6,000	1		
Exit, Service	50%			2026	\$3,300	1		
Exterior Lighting								
HID	10%			2021	\$9,200	10		
HID	50%			2031	**	10		
No Component	40%							
Alarm								
Security System								
No Component	70%							
Generic	30%			2031	**	1	\$2,500	

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Fuel Oil No 2	100%			2046	**	5	\$6,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2,000 Gallon Double Wall Monitored Tank</i>								
Conversion Equipment								
Steam Boiler	100%			2039	**	1	\$22,200	
Distribution								
Central Plant Steam Piping/Pmp	100%			2036	**	4	\$1,700	
Terminal Devices								
Convactor/Radiator	100%			2031	**	1	\$7,200	
Air Conditioning								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 405 EMS ACADEMY - CFR TRAINING
Asset # : 13772

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning									
Energy Source									
	Electricity	100%			2042	* *	1		
Conversion Equipment									
	Split Unit	5%			2031	* *			
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
			<i>Location : Room 200</i>						
			<i>Explanation : Refrigerant 410a</i>						
	Window/Wall Unit	95%			2021	\$45,300	1		
Plumbing									
H/C Water Piping									
	Brass/Copper	100%			2046	* *	1		
Water Heater									
	Oil Fired	100%			2024	\$19,000	1	\$700	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
			<i>Location : Basement</i>						
			<i>Explanation : 1 - 70 Gallon Unit</i>						
Sanitary Piping									
	Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping									
	Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)									
	Non-Submersible	100%			2026	\$3,500	4	\$500	
Backflow Preventer									
	No Component	95%							
	Generic	5%			2034	* *	1	\$100	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
			<i>Location : Basement</i>						
			<i>Explanation : Serves Boiler Only</i>						
Fixtures									
	Generic	100%							
Fire Suppression									
Sprinkler									
	No Component	80%							
	Generic	20%			2046	* *	1-2	\$1,300	

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FORT TOTTEN - BLDG. # 415 FLSTP - DINING HALL
Address : 415 WEAVER ROAD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.415 / 13777 **Yr Built/Renovated** : 1906 /
Area Sq Ft : 9,894 **Project Type** : FIRE DEPARTMENT
Date of Survey : 09-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$37,300	
Interior Architecture	\$142,200	
Electrical	\$5,400	
Total	\$185,000	
Importance Code A	\$37,300	
Importance Code B	\$94,500	
Importance Code C	\$53,200	
Total	\$185,000	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$47,400			
Interior Architecture	\$30,900			
Electrical	\$30,600		\$17,400	\$100
Mechanical	\$1,300	\$1,500	\$6,800	\$1,700
Total	\$110,200	\$1,500	\$24,200	\$1,900
Importance Code A	\$48,300	\$900	\$1,000	\$900
Importance Code B	\$61,000	\$500	\$23,200	\$900
Importance Code C	\$800			
Total	\$110,200	\$1,500	\$24,200	\$1,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 415 FLSTP - DINING HALL
Asset # : 13777

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	40%	Now	\$10,700	LIFE	**	5	\$6,500	
<i>Efflorescence, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : A Side Front Entrance</i>								
Masonry: Brick	30%			LIFE	**	5	\$4,900	
Masonry: Granite	20%			LIFE	**	5	\$2,400	
Wood	10%	Now	\$37,300	2039	**	5	\$4,100	
<i>Paint Peeling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Replacement Deteriorated, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Porch Floors (Ply-wood Replacement Deteriorating)</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Rotted Wood On Porch Floors And Frieze Boards Above Porches.</i>								
Windows								
Wood	100%	Now	\$18,300	2051	**	5	\$2,200	
<i>Glazing Broken/Cracked, Extent : Light, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Thermally Inefficient, Extent : Severe, Area Affected : 100%</i>								
<i>Location : All</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : All</i>								
Roof								
Roll Roofing	30%	2-4	\$3,200	2028	\$15,900	5	\$2,900	
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Porch Roofs</i>								
Slate	70%	Now	\$15,200	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Attic Spaces Below Roof, Chimney</i>								
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : All.</i>								
<i>Explanation : All Roof Flashing Rusted And Or Lifting.</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 415 FLSTP - DINING HALL
Asset # : 13777

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	36%	Now	\$2,900	LIFE	**	5	\$11,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Basement.</i>								
Ceramic Tile	2%	Now	\$1,200	2035	**	5	\$100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Broken / Missing Tiles Throughout</i>								
Vinyl Tile	2%	Now	\$2,700	2036	**	3	\$100	
<i>Other Observation, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Kitchen And Storage Area On A Side</i>								
<i>Explanation : Vinyl Floor Has Gaps Missing Pieces And Delamination.</i>								
Wood	40%	0-2	\$20,600	2054	**	5	\$5,400	
<i>Deteriorated Finish, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Wood	20%			2054	**	5	\$5,400	
Interior Walls								
Ceramic Tile	2%	Now	\$800	2035	**	5	\$100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 4%</i>								
<i>Location : Bathrooms</i>								
Gypsum Board	2%			LIFE	**	5	\$200	
Masonry: Brick	5%			LIFE	**			
Metal Panel	2%			LIFE	**			
Granite Panels	15%			LIFE	**			
Plaster	74%	Now	\$53,200	LIFE	**	5	\$3,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : A Side, Throughout</i>								
<i>Deteriorated Finish, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout, Mostly A Storage Side</i>								
Ceilings								
Embossed Metal	15%			LIFE	**	5	\$1,000	
Plaster	85%	Now	\$89,100	LIFE	**	5	\$7,800	
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2046	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2-100 Amperes Service Switches</i>								
Raceway								
Conduit	100%			2036	**	1		

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 415 FLSTP - DINING HALL
Asset # : 13777

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Molded Case Bkrs	100%			2042	**	5	\$300	
Wiring								
Braided Cloth	70%	0-2	\$6,200	2051	**	1		
<i>Insulation Aged, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	30%			2036	**	1		
Ground								
Grounding Devices								
Generic	50%			LIFE	**	5	\$100	
Generic	50%	Now	\$2,600	LIFE	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Basement Building 415a</i>								
<i>Explanation : Ground Wire Not Connected To Clamp On Water Pipe.</i>								
Lighting								
Interior Lighting								
Fluorescent	10%			2026	\$2,300	10	\$900	
Incandescent	10%			2021	\$5,400	2		
Incandescent	80%	Now	\$21,800	2031	**	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Damaged Fixtures And Missing At Some Locations.</i>								
Exterior Lighting								
HID	50%			2031	**	10		
Incandescent	50%			2021	\$17,300	2		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Fuel Oil No 2	100%			2036	**	5	\$3,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 275 Gallon Tanks</i>								
Conversion Equipment								
Steam Boiler	100%			2039	**	1	\$9,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Mechanical Room</i>								
<i>Explanation : (2) Oil Fired Steam Boiler.</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2036	**	4	\$700	
Terminal Devices								
Convactor/Radiator	100%			2031	**	1	\$3,100	

Air Conditioning

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 415 FLSTP - DINING HALL
Asset # : 13777

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Energy Source								
	Electricity	100%			2042	**	1	
Conversion Equipment								
	Window/Wall Unit	20%			2021	\$4,100	1	
	No Component	80%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2046	**	1	
HW Heat Exchanger								
	Steam Fired	100%			2046	**	4	\$900
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Domestic Coils, 40 Gallon Storage B Side</i>								
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Fixtures								
	Generic	100%						

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FORT TOTTEN - BLDG.# 134 A AND B 1B MEDICAL BOARD
Address : 134 SGT. BEERS AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.134 / 13741 **Yr Built/Renovated** : 1938 /
Area Sq Ft : 4,339 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$42,500	
Total	\$42,500	
Importance Code A	\$42,500	
Total	\$42,500	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$35,800			
Interior Architecture	\$5,500		\$4,700	
Electrical	\$6,200		\$3,900	
Mechanical	\$300	\$300	\$8,900	\$600
Total	\$47,800	\$300	\$17,500	\$600
Importance Code A	\$36,000	\$200	\$200	\$200
Importance Code B	\$6,500	\$100	\$17,300	\$400
Importance Code C	\$5,400			
Total	\$47,800	\$300	\$17,500	\$600



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 134 A AND B 1B MEDICAL BOARD
Asset # : 13741

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	10%	Now	\$14,400	LIFE	**	5	\$3,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Exterior Stairs And Railing</i>								
<i>Spalling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Exterior Stairs</i>								
Cement-Fiber Panel	5%	Now	\$1,200	2031	**			
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	55%	Now	\$42,500	LIFE	**	5	\$4,300	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout.</i>								
Masonry: Brick	15%			LIFE	**	5	\$1,200	
Pre-Cast Concrete	5%			LIFE	**	5	\$1,300	
Wood	10%	Now	\$17,900	2039	**	5	\$2,000	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Eaves, Soffits, Gables</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%			2048	**	5	\$2,100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Roof								
Asphalt Shingle	85%			2035	**	10	\$1,400	
Copper/Terne	15%	Now	\$2,200	2054	**			
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Roof Surface</i>								
<i>Explanation : Flashing Misaligned And Deteriorated.</i>								
Interior								
Floors								
Cast in Place Concrete	10%			LIFE	**	5	\$1,200	
Ceramic Tile	5%	4+	\$100	2039	**	5	\$100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Bathroom.</i>								
<i>Recent Installation, Extent : Light, Area Affected : 50%</i>								
<i>Location : 1st Floor Bathrooms</i>								
Vinyl Tile	5%			2036	**	3	\$100	
<i>Recent Construction, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Wood	80%			2066	**	5	\$8,500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 134 A AND B 1B MEDICAL BOARD
Asset # : 13741

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	5%			2039	**	5	\$300	
<i>Recent Construction, Extent : Light, Area Affected : 65%</i>								
<i>Location : 1st Floor Bathrooms</i>								
Gypsum Board	40%			LIFE	**	5	\$1,400	
Masonry: Brick	10%	Now	\$4,800	LIFE	**			
<i>Paint Peeling, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
Plaster	45%	4+	\$400	LIFE	**	5	\$800	
<i>Paint Peeling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Basement Stairwell</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
Ceilings								
AcousTileSusp.Lay-In	15%			2046	**	5	\$800	
<i>Recent Construction, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Bathroom</i>								
Plaster	85%			LIFE	**	5	\$3,000	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	50%			2046	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Buildings A And B</i>								
<i>Explanation : Two (2) Fused Disconnect Service Switches</i>								
Molded Case Bkrs	50%			2046	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Buildings A And B</i>								
<i>Explanation : Two (2) Electrical Panels</i>								
Raceway								
Conduit	75%			2026	\$3,100	1		
Conduit	25%			2046	**	1		
Wiring								
Braided Cloth	70%	0-2	\$6,200	2051	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Old Brittle Insulation Falling Off.</i>								
Thermoplastic	30%			2036	**	1		

Ground

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 134 A AND B 1B MEDICAL BOARD
Asset # : 13741

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting Fluorescent	99%			2031	**	10	\$3,400	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Incandescent	1%			2021	\$200	2		
Egress Lighting Exit, Battery	100%			2031	**	10	\$300	
Exterior Lighting HID	75%			2026	\$13,400	10		
No Component	25%							
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Fuel Oil No 2	100%			2036	**	5	\$1,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : A Side - 1 275 Gallon Tank B Side - 2 275 Gallon Tanks</i>								
Conversion Equipment Hot Water Boiler	100%			2039	**	1	\$1,900	
Distribution Hot Wtr Piping/Pump	100%			2034	**	4	\$200	
Terminal Devices Convactor/Radiator	100%			2031	**	1	\$1,200	
Air Conditioning								
Energy Source Electricity	100%			2042	**	1		
Conversion Equipment Window/Wall Unit	100%			2021	\$8,000	1		
Plumbing								
H/C Water Piping Brass/Copper	100%			2046	**	1		
<i>No Water Meter, Extent : Light, Area Affected : 100%</i>								
<i>Location : A Side</i>								
HW Heat Exchanger Steam Fired	100%			2046	**	4	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : A Side - Domestic Coil / No Storage; B Side - Domestic Coil With 40 Gallons</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 134 A AND B 1B MEDICAL BOARD
Asset # : 13741

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component	% of	Fail Date	Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost	Priority
	Type	Total	(Years)		FY		(Yrs)		
Plumbing									
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
Fixtures									
	Generic	100%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FORT TOTTEN - BLDG.# 316 A AND B COMMUNICATIONS
Address : 316 SGT. BEERS AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.316 / 13759 **Yr Built/Renovated** : 1933 /
Area Sq Ft : 4,287 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$19,600			\$1,300
Interior Architecture	\$8,900	\$200	\$3,400	\$100
Electrical	\$11,800		\$17,000	
Mechanical	\$300	\$300	\$9,500	\$700
Total	\$40,600	\$500	\$29,900	\$2,100
Importance Code A	\$21,400	\$200	\$200	\$1,500
Importance Code B	\$10,400	\$300	\$29,700	\$500
Importance Code C	\$8,900			
Total	\$40,600	\$500	\$29,900	\$2,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 316 A AND B COMMUNICATIONS
Asset # : 13759

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cement-Fiber Panel	10%	Now	\$600	2031	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Paint Peeling</i>								
Masonry: Brick	65%			LIFE	**	5	\$10,200	
Wood	18%	Now	\$16,200	2039	**	5	\$7,100	
<i>Deteriorated Finish, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Throughout Exterior.</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof Soffits, Gutters, Frieze</i>								
Wood	7%			2039	**	5	\$5,500	
Windows								
Aluminum	100%			2042	**	5	\$2,700	
Roof								
Asphalt Shingle	95%			2035	**	10	\$1,300	
Copper/Terne	5%			2054	**	10	\$1,100	
Interior								
Floors								
Cast in Place Concrete	25%			LIFE	**	5	\$3,300	
Ceramic Tile	5%			2035	**	5	\$300	
Vinyl Tile	8%			2031	**	3	\$200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Vinyl Tile 9" X 9"	2%			2026	\$1,400	3		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Entry Foyer</i>								
<i>Explanation : 9 X 9 Tiles</i>								
Wood	60%			2061	**	5	\$6,800	
<i>Recent Replace Evident, Extent : Light, Area Affected : 90%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%	Now	\$2,300	2029	**	5	\$200	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Bathrooms.</i>								
Masonry: Brick	10%	Now	\$6,600	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
Plaster	85%			LIFE	**	5	\$2,000	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 316 A AND B COMMUNICATIONS
Asset # : 13759

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
Plaster	100%			LIFE	**	5	\$3,800	
<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<hr/>								
Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%	Now	\$1,600	2056	**	5	\$100	
<i>On Extended Life, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Recent Replace Evident, Extent : Light, Area Affected : 50%</i>								
<i>Location : Recently Replaced Service Panel In Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building 316b Basement</i>								
<i>Explanation : 1-100 Amperes Service Switch.</i>								
<hr/>								
Raceway								
Conduit	100%			2026	\$4,100	1		
<hr/>								
Panelboards								
Molded Case Bkrs	100%			2034	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout House</i>								
<i>Explanation : There Are No Other Electrical Panels Except The Service Panels Noted Above.</i>								
<hr/>								
Wiring								
Braided Cloth	90%	2-4	\$8,000	2051	**	1		
<i>Insulation Damaged, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<hr/>								
Thermoplastic	10%			2026	\$900	1		
<hr/>								
Ground								
Grounding Devices								
Generic	100%	0-2	\$2,100	LIFE	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Ground Connection Corroded</i>								
<hr/>								
Lighting								
Interior Lighting								
Fluorescent	50%			2031	**	10	\$1,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Recently Replaced Incandescent Lighting With T-8 Fluorescent Lights</i>								
<hr/>								
Incandescent	50%			2021	\$11,400	2		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 316 A AND B COMMUNICATIONS
Asset # : 13759

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting								
Incandescent	25%			2021	\$3,700	2		
No Component	75%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source								
Fuel Oil No 2	100%			2036	**	5	\$1,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : B Side 2 - 275 Gallon Tanks</i>								

Conversion Equipment								
Hot Water Boiler	100%			2039	**	1	\$2,000	

Distribution								
Hot Wtr Piping/Pump	100%			2034	**	4	\$200	

Terminal Devices								
Convactor/Radiator	100%			2031	**	1	\$1,300	

Air Conditioning

Energy Source								
Electricity	100%			2042	**	1		

Conversion Equipment								
Window/Wall Unit	100%			2021	\$8,500	1		

Plumbing

H/C Water Piping								
Brass/Copper	100%			2046	**	1		

HW Heat Exchanger								
Steam Fired	100%			2046	**	4	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : A And B Basement</i>								
<i>Explanation : Domestic Coil With No Storage</i>								

Sanitary Piping								
Cast Iron	100%			LIFE	**	1		

Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

Sump Pump(s)								
Non-Submersible	100%			2026	\$700	4	\$100	

Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FORT TOTTEN - BLDG.# 400 A AND B FIRE PREVENTION DISTRICT OFFICE
Address : 400 MURRAY AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.400 / 13771 **Yr Built/Renovated** : 1906 /
Area Sq Ft : 10,935 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5917 **Lot** : 1 **BIN** : 4453917

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$175,200	
Total	\$175,200	
Importance Code A	\$175,200	
Total	\$175,200	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture				
Interior Architecture	\$23,700		\$8,600	\$200
Electrical	\$8,400	\$1,000	\$18,600	\$1,100
Mechanical	\$2,100	\$1,600	\$13,800	\$1,800
Total	\$34,200	\$2,600	\$41,000	\$3,100
Importance Code A	\$1,000	\$1,000	\$1,000	\$1,000
Importance Code B	\$26,300	\$1,500	\$40,000	\$2,100
Importance Code C	\$6,800			
Total	\$34,200	\$2,600	\$41,000	\$3,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 400 A AND B FIRE PREVENTION DISTRICT OFFICE
Asset # : 13771

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%			LIFE	**	5	\$28,100	
Granite Panels	10%			LIFE	**	5	\$3,000	
Wood	20%	Now	\$91,800	2039	**	5	\$20,100	
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Entry Porches</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Roof Eaves/ Cornice</i>								
Windows								
Wood	100%	Now	\$83,300	2042	**	5	\$34,000	
<i>Air Infiltration, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Roof								
Asphalt Shingle	100%			2035	**	10	\$3,600	
Interior								
Floors								
Cast in Place Concrete	30%			LIFE	**	5	\$10,000	
Ceramic Tile	2%	Now	\$100	2035	**	5	\$200	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Throughout.</i>								
Vinyl Tile	8%	Now	\$2,300	2031	**	3	\$500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen And Various Offices</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Wood	60%			2041	**	5	\$17,200	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Attic/ 3rd Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 400 A AND B FIRE PREVENTION DISTRICT OFFICE
Asset # : 13771

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	3%	Now	\$400	2035	**	5	\$300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Bathrooms</i>								
Masonry: Brick	10%			LIFE	**			
Granite Panels	10%			LIFE	**			
Plaster	75%	Now	\$6,500	LIFE	**	5	\$4,400	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Basement Gymnasium Room</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Basement Gymnasium Room</i>								
Wood	2%			LIFE	**	5	\$1,600	
Ceilings								
Embossed Metal	34%			LIFE	**	5	\$2,300	
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st Floor</i>								
Plaster	66%	Now	\$14,500	LIFE	**	5	\$6,300	
<i>Paint Peeling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Rooms 20 And 21, Stairway Ceiling</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor Rooms 20 And 21</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2046	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Areas A And B</i>								
<i>Explanation : (2) 100 Amperes Service Switches</i>								
Raceway								
Conduit	75%			2026	\$3,100	1		
Conduit	25%			2046	**	1		
Panelboards								
Molded Case Bkrs	100%			2042	**	5	\$300	
Wiring								
Braided Cloth	40%	2-4	\$3,600	2051	**	1		
<i>On Extended Life, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Thermoplastic	60%			2036	**	1		

Ground

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 400 A AND B FIRE PREVENTION DISTRICT OFFICE
Asset # : 13771

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Basement Section A</i>								
<i>Explanation : Ground Wire Connected To Line Side Of Water Meter, No Wire Jumper To Load Side Of Meter.</i>								
Stand-by Power								
Transfer Switches Automatic	100%			2043	**	1	\$3,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior Behind Primary Transformer</i>								
<i>Explanation : Serves Buildings #400, #401 And #402.</i>								
Generators Diesel	100%			2039	**	1	\$4,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior</i>								
<i>Explanation : 125 Kw Generator Serves Buildings #400, #401 And #402</i>								
Fuel Storage Main Tank	100%			2061	**	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior</i>								
<i>Explanation : Belly Tank Located Below Generator</i>								
Lighting								
Interior Lighting Fluorescent	70%			2026	\$17,100	10	\$6,600	
Incandescent	30%			2021	\$17,500	2	\$100	
Exterior Lighting Incandescent	100%	0-2	\$3,800	2031	**	2		
<i>On Extended Life, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Porch Location</i>								
Alarm								
Security System No Component Generic	50%			2026	\$18,000	1	\$2,000	

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Fuel Oil No 2	100%			2036	**	5	\$3,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 275 Gallon Tanks Each Side</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 400 A AND B FIRE PREVENTION DISTRICT OFFICE
Asset # : 13771

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
Conversion Equipment								
	Steam Boiler	100%			2039	* *	1	\$10,100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 - Boiler Each Side</i>								
<hr/>								
Distribution								
	Central Plant Steam Piping/Pmp	100%			2036	* *	4	\$800
<hr/>								
Terminal Devices								
	Convactor/Radiator	100%	Now	\$1,100	2031	* *	1	\$3,000
<i>Leak Evident, Extent : Light, Area Affected : 50%</i>								
<i>Location : 1st Floor Front</i>								
<hr/>								
Air Conditioning								
Energy Source								
	Electricity	100%			2042	* *	1	
<hr/>								
Conversion Equipment								
	Window/Wall Unit	50%			2021	\$10,900	1	
	No Component	50%						
<hr/>								
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2036	* *	1	
<i>No Water Meter, Extent : Light, Area Affected : 100%</i>								
<i>Location : A Side</i>								
<hr/>								
HW Heat Exchanger								
	Steam Fired	100%			2046	* *	4	\$1,000
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Domestic Coil With 40 Gallon Storage Each Side</i>								
<hr/>								
Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1	
<hr/>								
Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1	
<hr/>								
Fixtures								
	Generic	100%						
<hr/>								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FORT TOTTEN - BLDG.# 401 A AND B FIRE/LIFE SAFETY EDUCATION BLDG.
Address : 401 MURRAY AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.401 / 13769 **Yr Built/Renovated** : 1906 / 2004
Area Sq Ft : 12,041 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5917 **Lot** : 1 **BIN** : 4453921

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$53,800
Interior Architecture		\$81,200
Mechanical		\$287,800
Total		\$422,800
Importance Code A		\$133,400
Importance Code B		\$289,400
Total		\$422,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$31,200			
Interior Architecture	\$64,700	\$3,500		\$400
Electrical	\$5,900	\$800	\$18,200	\$1,000
Mechanical	\$6,700	\$1,600	\$26,500	\$1,900
Total	\$108,500	\$6,000	\$44,700	\$3,300
Importance Code A	\$32,400	\$1,200	\$1,200	\$1,200
Importance Code B	\$72,400	\$4,300	\$43,500	\$2,100
Importance Code C	\$3,700	\$500		
Total	\$108,500	\$6,000	\$44,700	\$3,300



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 401 A AND B FIRE/LIFE SAFETY EDUCATION BLDG.
Asset # : 13769

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Masonry: Brick	70%			LIFE	**	5	\$53,800		
Granite Panels	25%			LIFE	**	5	\$14,400		
Wood	5%	0-2	\$11,000	2039	**	5	\$9,600		
<i>Deteriorated Finish, Extent : Severe, Area Affected : 30%</i>									
<i>Location : Throughout Columns And Rails</i>									
<i>Paint Peeling, Extent : Light, Area Affected : 30%</i>									
<i>Location : Porch Floor And Steps</i>									
Windows									
Aluminum	100%			2048	**	5	\$11,600		
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>									
<i>Location : Throughout</i>									
Roof									
Asphalt Shingle	100%	Now	\$20,200	2035	**				
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : Roof</i>									
Interior									
Floors									
Cast in Place Concrete	10%			LIFE	**	5	\$13,400		
Ceramic Tile	10%			2035	**	5	\$6,100		
Vinyl Tile	5%	Now	\$600	2031	**	3	\$1,100		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>									
<i>Location : Throughout.</i>									
Wood	40%	Now	\$17,600	2054	**	5	\$22,900		
<i>Deteriorated Finish, Extent : Light, Area Affected : 40%</i>									
<i>Location : Throughout</i>									
Wood	35%			2054	**	5	\$40,100		
Interior Walls									
Ceramic Tile	2%			2035	**	5	\$1,000		
Gypsum Board	25%			LIFE	**	5	\$7,100		
<i>Repairs in Progress, Extent : Light, Area Affected : 2%</i>									
<i>Location : Stairwell Wall Between 1st And 2nd Floors</i>									
Granite Panels	28%			LIFE	**				
Plaster	45%	2-4	\$3,700	LIFE	**	5	\$6,400		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>									
<i>Location : Throughout.</i>									
Ceilings									
Plaster	52%	Now	\$22,800	LIFE	**	5	\$19,900		
<i>Paint Peeling, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : 3rd Floor Ceiling Over Training Area</i>									
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>									
<i>Location : 3rd Floor Ceiling Over Training Area</i>									
Plaster	48%			LIFE	**	5	\$18,300		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 401 A AND B FIRE/LIFE SAFETY EDUCATION BLDG.
Asset # : 13769

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2046	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Service Rooms, Sections A And B</i>								
<i>Explanation : 2-100 Amperes Service Switches</i>								
<hr/>								
Raceway								
Conduit	75%			2026	\$3,100	1		
Conduit	25%			2046	**	1		
<hr/>								
Panelboards								
Molded Case Bkrs	100%			2042	**	5	\$300	
<hr/>								
Wiring								
Thermoplastic	75%			2026	\$6,700	1		
Thermoplastic	25%			2046	**	1		
<hr/>								
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Basement Section A</i>								
<i>Explanation : Common Ground Wire Connected To Water Main And Ground Rod</i>								
<hr/>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2046	**	1	\$3,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior Behind Primary Transformer</i>								
<i>Explanation : Serves Buildings #400, #401 And #402.</i>								
<hr/>								
Generators								
Diesel	100%			2041	**	1	\$4,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior</i>								
<i>Explanation : Serves Buildings #400, #401 And #402.</i>								
<hr/>								
Fuel Storage								
Main Tank	100%			2066	**	5	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location :</i>								
<i>Explanation : Belly Tank Located Below Generator</i>								
<hr/>								
Lighting								
Interior Lighting								
Fluorescent	75%			2026	\$21,600	10	\$8,300	
Incandescent	25%			2021	\$17,100	2	\$100	
<hr/>								
Exterior Lighting								
HID	80%			2034	**	10		
Incandescent	20%	0-2	\$5,100	2031	**	2		
<i>Obsolete Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior Building Porches</i>								
<hr/>								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 401 A AND B FIRE/LIFE SAFETY EDUCATION BLDG.
Asset # : 13769

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
	Energy Source							
	Fuel Oil No 2	100%			2036	**	5	\$3,700
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 - 275 Gallon Tanks Each Side</i>					
	Conversion Equipment							
	Steam Boiler	100%			2024	\$79,600	1	\$11,900
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 1 - Unit Each Side</i>					
	Distribution							
	Central Plant Steam Piping/Pmp	100%			2026	\$208,200	4	\$600
	Terminal Devices							
	Convactor/Radiator	100%			2031	**	1	\$3,900
Air Conditioning								
	Energy Source							
	Electricity	100%			2042	**	1	
	Conversion Equipment							
	Window/Wall Unit	90%			2021	\$23,100	1	
	No Component	10%						
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2036	**	1	
	Water Heater							
	Oil Fired	50%			2019	\$5,100	1	\$200
	Under Construction	50%						
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Fixtures							
	Generic	100%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FORT TOTTEN - BLDG.# 402 A AND B FIRE MARSHALS
Address : 402 MURRAY AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.402 / 13770 **Yr Built/Renovated** : 1906 /
Area Sq Ft : 12,041 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5917 **Lot** : 1 **BIN** : 4453923

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$2,500			\$3,700
Interior Architecture	\$13,100	\$700		
Electrical	\$800	\$800	\$20,300	\$1,000
Mechanical	\$3,200	\$1,800	\$27,200	\$2,000
Total	\$19,600	\$3,300	\$47,500	\$6,800
Importance Code A	\$3,600	\$1,100	\$1,100	\$4,900
Importance Code B	\$14,800	\$2,200	\$46,400	\$2,000
Importance Code C	\$1,100			
Total	\$19,600	\$3,300	\$47,500	\$6,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 402 A AND B FIRE MARSHALS
Asset # : 13770

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%			LIFE	**	5	\$30,900	
Granite Panels	25%			LIFE	**	5	\$8,300	
Wood	5%	Now	\$2,500	2039	**	5	\$5,500	
<i>Paint Peeling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Entry Porches</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 15%</i>								
<i>Location : Entry Porches</i>								
<hr/>								
Windows								
Aluminum	100%			2042	**	5	\$7,500	
<hr/>								
Roof								
Asphalt Shingle	100%			2035	**	10	\$4,000	
<hr/>								
Interior								
Floors								
Cast in Place Concrete	30%			LIFE	**	5	\$11,100	
Ceramic Tile	8%			2035	**	5	\$1,300	
Vinyl Tile	2%			2031	**	3	\$200	
Wood	60%			2054	**	5	\$19,000	
<hr/>								
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	5%			2039	**	5	\$1,100	
Gypsum Board	25%			LIFE	**	5	\$3,200	
Masonry: Brick	18%			LIFE	**			
Granite Panels	25%			LIFE	**			
Plaster	15%	Now	\$600	LIFE	**	5	\$1,000	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : 3rd Floor Chimney Chase Walls</i>								
Wood	2%			LIFE	**	5	\$1,700	
<hr/>								
Ceilings								
AcousTileSusp.Lay-In	6%			2039	**	5	\$1,000	
Embossed Metal	25%			LIFE	**	5	\$1,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Embossed Metal Ceiling, Painted</i>								
Gypsum Board	29%			LIFE	**	5	\$6,100	
Plaster	40%	Now	\$1,900	LIFE	**	5	\$4,200	
<i>Water Penetration, Extent : Light, Area Affected : 2%</i>								
<i>Location : Water Damage In 1st Floor Office And Third Floor By Chimney Chase Walls</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 402 A AND B FIRE MARSHALS
Asset # : 13770

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
	Service Equipment							
	Fused Disc Sw	100%			2046	**	5	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement Service Room</i>					
			<i>Explanation : 2-100 Amperes Service Switches</i>					
	Raceway							
	Conduit	65%			2036	**	1	
	Conduit	35%			2046	**	1	
	Panelboards							
	Molded Case Bkrs	100%			2042	**	5	\$300
	Wiring							
	Thermoplastic	65%			2036	**	1	
	Thermoplastic	35%			2046	**	1	
Ground								
	Grounding Devices							
	Generic	100%			LIFE	**	5	\$200
Stand-by Power								
	Transfer Switches							
	Automatic	100%			2046	**	1	\$3,700
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Building Exterior Being Primary Transformer</i>					
			<i>Explanation : Serves Buildings #400, #401 And #402.</i>					
	Generators							
	Diesel	100%			2041	**	1	\$4,700
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Building Exterior</i>					
			<i>Explanation : 125 Kw Generator Serves Buildings #400, #401 And #402.</i>					
	Fuel Storage							
	Main Tank	100%			2066	**	5	\$300
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Building Exterior</i>					
			<i>Explanation : Belly Tank Located Below Generator</i>					
Lighting								
	Interior Lighting							
	Fluorescent	99%			2031	**	10	\$10,200
			<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
	Incandescent	1%			2021	\$600	2	
	Egress Lighting							
	Emergency, Service	50%			2026	\$3,000	1	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
			<i>Explanation : Recently Installed Egress Fixtures.</i>					
	Exit, Service	50%			2026	\$1,700	1	
	Exterior Lighting							
	HID	80%			2031	**	10	
	Incandescent	20%			2021	\$8,400	2	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 402 A AND B FIRE MARSHALS
Asset # : 13770

Mechanical System Component Type	Current Repair			Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Fuel Oil No 2	100%			2036	**	5	\$3,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 275 Gallon Tanks Each Side</i>								
Conversion Equipment Steam Boiler	100%			2039	**	1	\$11,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 - Boiler On Each Side</i>								
Distribution Central Plant Steam Piping/Pmp	100%			2036	**	4	\$800	
Terminal Devices Convactor/Radiator	100%			2031	**	1	\$3,600	
Air Conditioning								
Energy Source Electricity	100%			2042	**	1		
Conversion Equipment Window/Wall Unit	100%			2021		1	\$24,000	
Plumbing								
H/C Water Piping Brass/Copper	100%			2036	**	1		
HW Heat Exchanger Steam Fired	100%			2046	**	4	\$1,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Domestic Coil In Boiler With 40 Gallon Storage Tank On Each Side</i>								
Sanitary Piping Cast Iron	100%	Now	\$1,700	LIFE	**	1		
<i>Leak Evident, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Bathrooms</i>								
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Fixtures Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FORT TOTTEN - BLDG.# 409 A AND B EMS ADMIN, RESEARCH AND DEVELOP.
Address : 409 SHORE ROAD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.409 / 13774 **Yr Built/Renovated** : 1906 /
Area Sq Ft : 13,728 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$37,800
Interior Architecture	\$57,800	
Total	\$57,800	\$37,800
Importance Code A		\$37,800
Importance Code B	\$57,800	
Total	\$57,800	\$37,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$31,300			\$14,600
Interior Architecture	\$35,400			\$5,500
Electrical	\$6,300	\$1,100	\$16,000	\$1,100
Mechanical	\$1,700	\$2,600	\$31,000	\$1,700
Total	\$74,700	\$3,800	\$47,000	\$22,900
Importance Code A	\$32,600	\$1,300	\$1,400	\$15,800
Importance Code B	\$38,100	\$2,500	\$45,700	\$7,000
Importance Code C	\$4,000			
Total	\$74,700	\$3,800	\$47,000	\$22,900



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 409 A AND B EMS ADMIN, RESEARCH AND DEVELOP.
Asset # : 13774

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	75%			LIFE	**	5	\$37,800	
Masonry: Granite	10%			LIFE	**	5	\$3,800	
Wood	15%	Now	\$8,600	2031	**	5	\$18,900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Wood Screen At Rear Porch 409b</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Porches And Eave Located At Rear Facade</i>								
Windows								
Aluminum	100%			2048	**	5	\$8,500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Roof								
Roll Roofing	10%			2022	\$12,300	5	\$4,500	
Slate	90%	Now	\$22,700	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Main Roof</i>								
Interior								
Floors								
Carpet	2%			2022	\$5,400	3	\$800	
Cast in Place Concrete	5%			LIFE	**	5	\$2,100	
Mosaic Tile	2%			2039	**	5	\$1,000	
Vinyl Tile	2%			2026	\$3,600	3	\$100	
Wood	89%	Now	\$30,800	2041	**	5	\$16,000	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : First Floor</i>								
Interior Walls								
Ceramic Tile	2%	Now	\$300	2035	**	5	\$200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Second Floor Bathroom</i>								
Concrete Masonry Unit	2%			LIFE	**	5	\$200	
Masonry: Brick	10%			LIFE	**			
Plaster	86%	Now	\$3,700	LIFE	**	5	\$6,400	
<i>Horizontal Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 1%</i>								
<i>Location : 2nd Floor Office</i>								
Ceilings								
Embossed Metal	30%			LIFE	**	5	\$2,600	
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st Floor Offices</i>								
Plaster	70%	Now	\$57,800	LIFE	**	5	\$8,400	
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd And 3rd Floor, Various Spaces</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 409 A AND B EMS ADMIN, RESEARCH AND DEVELOP.
Asset # : 13774

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	50%			2046	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 409a And 409b Basement</i>								
<i>Explanation : Two (2) 100 Amperes Fused Disconnect Switch</i>								
Molded Case Bkrs	50%			2046	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 409a And 409b Basement</i>								
<i>Explanation : Two (2) Service Panels, 225a Rating</i>								
Raceway								
Conduit	20%			2052	**	1		
Conduit	80%			2036	**	1		
Panelboards								
Molded Case Bkrs	100%			2034	**	5	\$400	
Wiring								
Thermoplastic	20%			2052	**	1		
Thermoplastic	80%			2036	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 409a And 409b Basement</i>								
<i>Explanation : Ground Attached To Main Water Line</i>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2039	**	1	\$4,200	
Generators								
Diesel	100%			2035	**	1	\$5,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior</i>								
<i>Explanation : 125 Kw Generator Serves Buildings #409 And #411</i>								
Fuel Storage								
Main Tank	100%			2054	**	5	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior Under Generator</i>								
<i>Explanation : 250 Gallon Belly Tank</i>								
Lighting								
Interior Lighting								
Fluorescent	95%			2031	**	10	\$11,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Incandescent	5%			2021	\$3,700	2		
Exterior Lighting								
Incandescent	50%	0-2	\$4,800	2031	**	2		
<i>Obsolete Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior Porches</i>								
No Component	50%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 409 A AND B EMS ADMIN, RESEARCH AND DEVELOP.
Asset # : 13774

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Security System								
No Component	75%							
Generic	25%			2026	\$11,300	1	\$1,300	

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source								
Fuel Oil No 2	100%			2036	**	5	\$4,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 275 Gallon Tanks For Both A And B Side</i>								

Conversion Equipment								
Steam Boiler	100%			2039	**	1	\$12,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : A And B Sides Have Separate Boilers</i>								

Distribution								
Central Plant Steam Piping/Pmp	100%			2036	**	4	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : A And B Sides Have Independent Systems</i>								

Terminal Devices								
Convactor/Radiator	100%			2031	**	1	\$4,200	

Air Conditioning

Energy Source								
Electricity	100%			2034	**	1		

Conversion Equipment								
Window/Wall Unit	100%			2021	\$27,300	1		

Plumbing

H/C Water Piping								
Brass/Copper	100%			2046	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : A And B Sides Have Separate Systems Including Service</i>								

HW Heat Exchanger								
Steam Fired	100%			2052	**	4	\$1,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Domestic Coil In Steam Boiler / A Has 40 Gallon Storage Tank</i>								

Sanitary Piping								
Cast Iron	100%			LIFE	**	1		

Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 409 A AND B EMS ADMIN, RESEARCH AND DEVELOP.
Asset # : 13774

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component	% of	Fail Date	Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost	Priority
	Type	Total	(Years)		FY		(Yrs)		
Plumbing									
	Backflow Preventer								
	No Component	95%							
	Generic	5%			2031	**	1		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
		<i>Location : Basement</i>							
		<i>Explanation : Serves Boiler Only</i>							
Fixtures									
	Generic	100%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FORT TOTTEN - BLDG.# 411 A AND B TERRORISM CENTER
Address : 411 SHORE ROAD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.411 / 13775 **Yr Built/Renovated** : 1906 /
Area Sq Ft : 13,728 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$45,300
Interior Architecture	\$44,000	
Total	\$44,000	\$45,300
Importance Code A		\$45,300
Importance Code B	\$44,000	
Total	\$44,000	\$45,300

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$9,600			\$7,300
Interior Architecture	\$33,600			\$100
Electrical	\$8,300	\$2,900	\$1,100	\$1,100
Mechanical	\$1,700	\$2,600	\$3,700	\$1,700
Total	\$53,200	\$5,500	\$4,700	\$10,200
Importance Code A	\$10,800	\$1,300	\$1,400	\$8,500
Importance Code B	\$21,300	\$4,200	\$3,400	\$1,700
Importance Code C	\$21,000			
Total	\$53,200	\$5,500	\$4,700	\$10,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 411 A AND B TERRORISM CENTER
Asset # : 13775

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	90%			LIFE	**	5	\$45,300	
Masonry: Granite	10%			LIFE	**	5	\$3,800	
Windows								
Aluminum	100%			2048	**	5	\$8,500	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Roof								
Roll Roofing	5%			2022	\$6,100	5	\$2,300	
Slate	95%	Now	\$9,600	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Main Roof</i>								
Interior								
Floors								
Cast in Place Concrete	7%			LIFE	**	5	\$2,900	
Mosaic Tile	2%			2039	**	5	\$1,000	
Vinyl Tile	5%	4+	\$200	2031	**	3	\$400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : 1st Floor Corridor</i>								
Wood	86%	2-4	\$11,900	2041	**	5	\$15,500	
<i>Dry Rot/Decay, Extent : Light, Area Affected : 2%</i>								
<i>Location : Basement Stair Has Termite Damage</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 3rd Floor</i>								
Interior Walls								
Ceramic Tile	2%	Now	\$300	2035	**	5	\$200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Second Floor Bathroom</i>								
Masonry: Brick	2%			LIFE	**			
Plaster	96%	Now	\$20,700	LIFE	**	5	\$7,100	
<i>Deteriorated Finish, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 15%</i>								
<i>Location : Basement Washroom, 3rd Floor Bathroom</i>								
Ceilings								
Embossed Metal	20%			LIFE	**	5	\$1,700	
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1st Floor, Throughout</i>								
Plaster	80%	Now	\$44,000	LIFE	**	5	\$9,600	
<i>Spalling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement And Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 15%</i>								
<i>Location : 2nd Floor Bathroom, 3rd Floor Office By Chimney Chase</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 411 A AND B TERRORISM CENTER
Asset # : 13775

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Service Equipment								
	Fused Disc Sw	50%			2046	**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two (2) 100 Amperes Fused Disconnect Switches</i>								
	Molded Case Bkrs	50%			2046	**	5	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two (2) 225 Amperes Electrical Panels Serving Areas A And B</i>								
Raceway								
	Conduit	20%			2052	**	1	
	Conduit	80%			2036	**	1	
Panelboards								
	Molded Case Bkrs	100%			2042	**	5	\$400
Wiring								
	Thermoplastic	20%			2052	**	1	
	Thermoplastic	80%			2036	**	1	
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$200
Stand-by Power								
Transfer Switches								
	Automatic	100%			2039	**	1	\$4,200
Generators								
	Diesel	100%			2035	**	1	\$5,300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior</i>								
<i>Explanation : 125 Kw Generator Serves Buildings #409 And #411</i>								
Batteries								
	Lead/Acid	100%			2020	\$1,600	5	\$500
Fuel Storage								
	Main Tank	100%			2054	**	5	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Exterior</i>								
<i>Explanation : 250 Gallon Belly Tank</i>								
Lighting								
Interior Lighting								
	Fluorescent	85%			2026	\$26,100	10	\$10,000
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T8 Lamps</i>								
	Incandescent	15%			2026	\$11,000	2	

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 411 A AND B TERRORISM CENTER
Asset # : 13775

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting

HID	10%			2031	**	10		
Incandescent	75%	0-2	\$7,200	2031	**	2		

Obsolete Fixtures, Extent : Light, Area Affected : 100%

Location : Exterior Porch Areas

No Component	15%							
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Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Fuel Oil No 2	100%			2026	\$25,600	5	\$4,000	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : 2 - 275 Gallon Tanks For Both Sides A And B

Conversion Equipment

Steam Boiler	100%			2039	**	1	\$12,700	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : A And B Sides Have Separate Boilers

Distribution

Central Plant Steam Piping/Pmp	100%			2036	**	4	\$900	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Throughout

Explanation : A And B Sides Have Independent Systems

Terminal Devices

Convactor/Radiator	100%			2031	**	1	\$4,200	
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Air Conditioning

Energy Source

Electricity	100%			2034	**	1		
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Conversion Equipment

Window/Wall Unit	100%			2024	\$27,300	1		
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Plumbing

H/C Water Piping

Brass/Copper	100%			2046	**	1		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Throughout

Explanation : A And B Sides Have Separate Systems Including Service

HW Heat Exchanger

Steam Fired	100%			2052	**	4	\$1,900	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : Domestic Coil In Steam Boiler / No Storage / Both A And B Sides

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 411 A AND B TERRORISM CENTER
Asset # : 13775

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Plumbing								
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Fixtures							
	Generic	100%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FORT TOTTEN - BLDG.# 413 A AND B COUNSELING UNIT
Address : 413 SHORE ROAD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.413 / 13776 **Yr Built/Renovated** : 1906 /
Area Sq Ft : 13,728 **Project Type** : FIRE DEPARTMENT
Date of Survey : 09-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$448,800	\$73,700
Electrical	\$43,900	
Total	\$492,600	\$73,700
Importance Code A	\$448,800	\$73,700
Importance Code B	\$43,900	
Total	\$492,600	\$73,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture				\$4,300
Interior Architecture	\$59,800			\$100
Electrical	\$11,100		\$100	\$200
Mechanical	\$1,700	\$2,000	\$31,000	\$2,300
Total	\$72,600	\$2,000	\$31,100	\$6,800
Importance Code A	\$1,300	\$1,300	\$1,300	\$5,500
Importance Code B	\$54,700	\$700	\$29,800	\$1,300
Importance Code C	\$16,600			
Total	\$72,600	\$2,000	\$31,100	\$6,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 413 A AND B COUNSELING UNIT
Asset # : 13776

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$58,000	LIFE	**	5	\$35,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Chimneys Are Missing Bricks</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Chimneys</i>								
Masonry: Granite	20%			LIFE	**	5	\$7,600	
Wood	10%	Now	\$115,300	2039	**	5	\$12,600	
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Soffits, Trim, Gutters, Fascias</i>								
<i>Split/Cracked, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 65%</i>								
<i>Location : Porch Floors, Rails Columns</i>								
Windows								
Wood	90%	Now	\$117,700	2042	**	5	\$38,400	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Wood	10%			2042	**	5	\$8,500	
Roof								
Modified Bitumen	30%	2-4	\$52,000	2036	**			
<i>Alligatoring, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Porch Roofs, Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Porch Roofs, Throughout</i>								
Slate	70%	Now	\$105,800	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Main Roof, Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Flashing At Chimneys</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Attic Spaces Below Roof</i>								
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 413 A AND B COUNSELING UNIT
Asset # : 13776

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	10%	Now	\$400	LIFE	**	5	\$4,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	2%	Now	\$1,600	2035	**	5	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Bathrooms</i>								
Vinyl Tile	3%	Now	\$1,100	2031	**	3	\$200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Kitchen Area</i>								
Wood	85%			2054	**	5	\$30,600	
Interior Walls								
Ceramic Tile	2%	2-4	\$1,500	2035	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bathrooms</i>								
<i>Explanation : Tile Will Need To Be Replaced From Lifting.</i>								
Masonry: Brick	5%			LIFE	**			
<i>Paint Peeling, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Basement</i>								
Granite Panels	21%			LIFE	**			
Plaster	70%	Now	\$15,100	LIFE	**	5	\$5,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations</i>								
Wood	2%			LIFE	**	5	\$2,000	
Ceilings								
Embossed Metal	10%			LIFE	**	5	\$900	
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st Floor</i>								
Plaster	90%	Now	\$24,800	LIFE	**	5	\$10,800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement, Bathrooms</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 413 A AND B COUNSELING UNIT
Asset # : 13776

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2046	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two (2)100 Amperes Service Switches.</i>								
Raceway								
Conduit	100%			2036	**	1		
Panelboards								
Molded Case Bkrs	100%			2042	**	5	\$400	
Wiring								
Braided Cloth	70%	0-2	\$6,200	2051	**	1		
<i>Insulation Aged, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	30%			2036	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	30%			2026		10	\$3,500	
Incandescent	60%			2021		2	\$200	
LED	10%			2034	**			
Exterior Lighting								
HID	50%			2026		10	\$28,300	
Incandescent	50%	0-2	\$4,800	2031	**	2		
<i>Obsolete Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Porch Areas</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Fuel Oil No 2	100%			2036	**	5	\$4,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 275 Gallon Tanks Each Side</i>								
Conversion Equipment								
Steam Boiler	100%			2039	**	1	\$12,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Mechanical</i>								
<i>Explanation : 2 Oil Fired Steam Boiler.</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2036	**	4	\$900	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 413 A AND B COUNSELING UNIT
Asset # : 13776

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
	Terminal Devices							
	Convactor/Radiator	100%			2031	**	1	\$4,200
Air Conditioning								
	Energy Source							
	Electricity	100%			2042	**	1	
	Conversion Equipment							
	Window/Wall Unit	100%			2021	\$27,300	1	
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2046	**	1	
	HW Heat Exchanger							
	Steam Fired	100%			2046	**	4	\$1,300
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Domestic Coils In Boilers, No Storage On B Side, 40 Gallon Storage Tank On A Side.</i>							
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Fixtures							
	Generic	100%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FORT TOTTEN - BLDG.# 418 A AND B SCUBA SUPPORT/FT TOTTEN OPER.
Address : 418 WEAVER ROAD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.418 / 13778 **Yr Built/Renovated** : 1906 /
Area Sq Ft : 10,935 **Project Type** : FIRE DEPARTMENT
Date of Survey : 09-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$100,800	
Total	\$100,800	
Importance Code A	\$100,800	
Total	\$100,800	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$26,300			\$100
Interior Architecture	\$38,200			\$100
Electrical	\$8,600		\$26,900	\$100
Mechanical	\$1,200	\$1,300	\$26,100	\$1,800
Total	\$74,300	\$1,300	\$53,000	\$2,200
Importance Code A	\$27,100	\$800	\$800	\$900
Importance Code B	\$41,400	\$500	\$52,200	\$1,300
Importance Code C	\$5,800			
Total	\$74,300	\$1,300	\$53,000	\$2,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 418 A AND B SCUBA SUPPORT/FT TOTTEN OPER.
Asset # : 13778

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	75%			LIFE	**	5	\$7,100	
Granite Panels	15%			LIFE	**	5	\$1,100	
Wood	10%	Now	\$21,800	2031	**	5	\$2,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Porch Soffit On B Side</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Split/Cracked, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Porch Floors, Throughout</i>								
<hr/>								
Windows								
Aluminum	10%			2042	**	5	\$200	
Wood	90%	Now	\$59,200	2051	**	5	\$9,700	
<i>Air Infiltration, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout.</i>								
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<hr/>								
Roof								
Modified Bitumen	35%	Now	\$41,500	2036	**			
<i>Alligating, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Porch Roofs, Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Porch Roofs, Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Porch Roofs, Throughout</i>								
Slate	65%	Now	\$4,500	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 418 A AND B SCUBA SUPPORT/FT TOTTEN OPER.
Asset # : 13778

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Interior Floors									
Cast in Place Concrete	10%	Now	\$600	LIFE	**	5	\$2,200		
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Basement</i>									
Ceramic Tile	5%	Now	\$1,100	2035	**	5	\$200		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>									
<i>Location : Bathrooms.</i>									
Vinyl Tile	10%	4+	\$500	2026	\$9,200	3	\$400		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>									
<i>Location : 1st Floor Kitchen On B Side</i>									
Wood	45%	Now	\$16,100	2054	**	5	\$4,200		
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : 1st Floor, B Side, Throughout.</i>									
Wood	30%			2054	**	5	\$5,600		
Interior Walls									
Ceramic Tile	5%	Now	\$1,100	2035	**	5	\$400		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>									
<i>Location : Bathrooms.</i>									
Masonry: Brick	10%			LIFE	**				
Granite Panels	5%			LIFE	**				
Plaster	75%	Now	\$4,700	LIFE	**	5	\$3,200		
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>									
<i>Location : Throughout.</i>									
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>									
<i>Location : Throughout.</i>									
Wood	5%			LIFE	**	5	\$2,900		
Ceilings									
Embossed Metal	20%			LIFE	**	5	\$900		
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>									
<i>Location : 1st Floor, Throughout</i>									
Plaster	80%	Now	\$11,400	LIFE	**	5	\$5,000		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Basement</i>									
<i>Water Penetration, Extent : Light, Area Affected : 3%</i>									
<i>Location : 1st Floor Bathroom</i>									

Electrical		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Under 600 Volts									
Service Equipment									
Fused Disc Sw	100%			2046	**	5			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement Hallway.</i>									
<i>Explanation : Two (2) 100 Amperes Service Switches</i>									

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 418 A AND B SCUBA SUPPORT/FT TOTTEN OPER.
Asset # : 13778

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Raceway								
Conduit	70%			2026	\$2,900	1		
Conduit	30%			2046	**	1		
Panelboards								
Fused Disc Sw	50%			2042	**	5	\$100	
Molded Case Bkrs	50%			2042	**	5	\$100	
Wiring								
Thermoplastic	70%			2026	\$6,200	1		
Thermoplastic	30%			2036	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	75%			2026	\$19,600	10	\$7,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Fixtures In Use.</i>								
Incandescent	25%			2021	\$15,600	2	\$100	
Exterior Lighting								
HID	25%			2021	\$11,300	10		
Incandescent	75%	0-2	\$8,600	2031	**	2		
<i>Obsolete Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Porches Areas</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Fuel Oil No 2	100%			2036	**	5	\$3,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 275 Gallon Tanks Each Side</i>								
Conversion Equipment								
Hot Water Boiler	50%			2039	**	1	\$2,700	
Steam Boiler	50%			2039	**	1	\$5,400	
Distribution								
Hot Wtr Piping/Pump	50%			2034	**	4	\$300	
Central Plant Steam Piping/Pmp	50%			2036	**	4	\$400	
Terminal Devices								
Convactor/Radiator	100%			2031	**	1	\$3,500	
Air Conditioning								
Energy Source								
Electricity	100%			2042	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 418 A AND B SCUBA SUPPORT/FT TOTTEN OPER.
Asset # : 13778

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
	Conversion Equipment							
	Window/Wall Unit	100%			2021	\$23,300	1	
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2046	**	1	
	HW Heat Exchanger							
	Steam Fired	100%			2046	**	4	\$1,100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Domestic Coil In Boiler / No Storage</i>					
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Backflow Preventer							
	No Component	95%						
	Generic	5%			2031	**	1	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Serves Boiler Only</i>					
Fixtures								
	Generic	100%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FORT TOTTEN - BLDG.# 420 A AND B FIRE BOROUGH CMD/EMS BOROUGH CMD
Address : 420 WEAVER ROAD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.420 / 13779 **Yr Built/Renovated** : 1906 /
Area Sq Ft : 10,935 **Project Type** : FIRE DEPARTMENT
Date of Survey : 09-Jun-2015 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$129,200	
Electrical		\$45,000
Total	\$129,200	\$45,000
Importance Code A	\$129,200	
Importance Code B		\$45,000
Total	\$129,200	\$45,000

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture				\$34,800
Interior Architecture	\$18,500	\$500	\$400	\$200
Electrical				\$100
Mechanical	\$1,300	\$1,600	\$24,700	\$1,900
Total	\$19,800	\$2,100	\$25,100	\$37,000
Importance Code A	\$1,000	\$1,000	\$1,000	\$35,800
Importance Code B	\$17,900	\$600	\$24,100	\$1,200
Importance Code C	\$1,000	\$500		
Total	\$19,800	\$2,100	\$25,100	\$37,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 420 A AND B FIRE BOROUGH CMD/EMS BOROUGH CMD
Asset # : 13779

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	75%			LIFE	**	5	\$30,100	
Granite Panels	5%			LIFE	**	5	\$1,500	
Wood	20%	Now	\$45,900	2039	**	5	\$20,100	
<i>Paint Peeling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Siding, Porches And Soffits</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Porch Floors</i>								
Windows								
Wood	100%	Now	\$83,300	2051	**	5	\$34,000	
<i>Air Infiltration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout.</i>								
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Roof								
Asphalt Shingle	70%			2035	**	10	\$2,500	
Roll Roofing	30%			2022	\$29,300	5	\$10,900	
Interior								
Floors								
Cast in Place Concrete	10%			LIFE	**	5	\$3,300	
Ceramic Tile	5%			2041	**	5	\$800	
Vinyl Tile	10%			2031	**	3	\$800	
Wood	50%	Now	\$13,800	2054	**	5	\$7,200	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : B Side, Throughout.</i>								
Wood	25%			2054	**	5	\$7,200	
Interior Walls								
Ceramic Tile	5%			2035	**	5	\$1,000	
Masonry: Brick	25%			LIFE	**			
Granite Panels	5%			LIFE	**			
Plaster	55%			LIFE	**	5	\$3,200	
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Stairwell</i>								
Wood	10%	Now	\$1,000	LIFE	**	5	\$7,900	
<i>Worn/Eroded, Extent : Light, Area Affected : 5%</i>								
<i>Location : Attic Bedroom</i>								
Ceilings								
Embossed Metal	10%			LIFE	**	5	\$700	
<i>Paint Peeling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Embossed Ceiling.</i>								
Plaster	80%			LIFE	**	5	\$7,700	
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Various Locations</i>								
Wood	10%			LIFE	**	5	\$13,400	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 420 A AND B FIRE BOROUGH CMD/EMS BOROUGH CMD
Asset # : 13779

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2036	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Front Room.</i>								
<i>Explanation : 1-200 Amperes Service Switch Serving Both Buildings.</i>								
Raceway								
Conduit	60%			2026	\$2,500	1		
Conduit	40%			2046	**	1		
Panelboards								
Fused Disc Sw	50%			2042	**	5	\$100	
Molded Case Bkrs	50%			2042	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Branch Circuit Panel.</i>								
Wiring								
Thermoplastic	60%			2026	\$5,300	1		
Thermoplastic	40%			2046	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Batteries								
Not Accessible	100%							
Lighting								
Interior Lighting								
Fluorescent	100%			2026	\$24,400	10	\$9,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Fixtures.</i>								
Exterior Lighting								
HID	100%			2026	\$45,000	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Fuel Oil No 2	100%			2036	**	5	\$3,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : A And B Sides -2- 275 Gallon Tanks</i>								
Conversion Equipment								
Steam Boiler	100%			2039	**	1	\$10,100	
Distribution								
Central Plant Steam	100%			2036	**	4	\$800	
Piping/Pmp								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 420 A AND B FIRE BOROUGH CMD/EMS BOROUGH CMD
Asset # : 13779

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Terminal Devices								
	Convactor/Radiator	100%			2031	* *	1	\$3,300	
Air Conditioning									
	Energy Source								
	Electricity	100%			2042	* *	1		
	Conversion Equipment								
	Window/Wall Unit	100%			2021	\$21,800	1		
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2046	* *	1		
	HW Heat Exchanger								
	Steam Fired	100%			2046	* *	4	\$1,000	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
				<i>Location : Basement</i>					
				<i>Explanation : Domestic Coil In Boilers With 40 Gallon Storage Tanks</i>					
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Backflow Preventer								
	No Component	95%							
	Generic	5%			2031	* *	1		
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
				<i>Location : Basement</i>					
				<i>Explanation : Serves Boiler Only</i>					
Fixtures									
	Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : LADDER CO. 114
Address : 5209 5TH AVENUE
Borough : BROOKLYN
Program / Asset # : FIRSLAD.114 / 13223
Area Sq Ft : 3,202
Date of Survey : 01-Jun-2012
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 808 **Lot** : 6 **BIN** : 3013940
Agency's Number : N/A
Yr Built/Renovated : 1897 /
Project Type : FIRE DEPARTMENT
Landmark Status : NONE

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$38,500
Interior Architecture	\$66,200	
Mechanical		\$50,700
Total	\$66,200	\$89,100
Importance Code A		\$38,500
Importance Code B	\$66,200	\$50,700
Total	\$66,200	\$89,100

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$22,900		\$2,600	
Interior Architecture	\$56,600			\$400
Electrical	\$32,700		\$17,300	\$38,500
Mechanical	\$6,100	\$400	\$45,500	\$2,300
Total	\$118,300	\$400	\$65,400	\$41,200
Importance Code A	\$23,900	\$300	\$22,300	\$300
Importance Code B	\$80,200	\$100	\$43,100	\$40,700
Importance Code C	\$14,300			\$200
Total	\$118,300	\$400	\$65,400	\$41,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
LADDER CO. 114
Asset # : 13223

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$19,700	LIFE	**	5	\$13,100	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : East Facade</i>								
Masonry: Limestone	10%			LIFE	**	5	\$1,200	
Metal Sect. OHD	10%			2036	**	5	\$5,100	
Windows								
Aluminum	100%	Now	\$3,200	2039	**	5	\$400	
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Bath And 2nd Floor East, Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,400	
Masonry: Brick	90%			LIFE	**	5	\$1,600	
Roof								
Modified Bitumen	100%			2028		10	\$6,600	
Interior								
Floors								
Cast in Place Concrete	70%	Now	\$26,300	LIFE	**	5	\$9,200	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Apparatus</i>								
<i>Explanation : Structurally Insufficient</i>								
Vinyl Tile	30%	0-2	\$3,100	2028	\$15,400	3	\$700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2032	**	5	\$400	
Gypsum Board	10%			LIFE	**	5	\$500	
Masonry: Brick	30%	Now	\$9,700	LIFE	**			
<i>Water Penetration, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
SGFT/Glazed Masonry	30%			LIFE	**			
Wood	25%	Now	\$4,600	LIFE	**	5	\$8,300	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor Throughout</i>								

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
LADDER CO. 114
Asset # : 13223

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	40%	Now	\$9,700	2036	**	5	\$1,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen And 2nd Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Embossed Metal	30%	4+	\$3,200	LIFE	**	5	\$800	
<i>Deformed/Dented, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry:Vault Struct	30%	Now	\$66,200	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Cellar</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Structurally Insufficient And Beams Corroded</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2023	\$4,800	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Amperes Main Disconnect Switch</i>								
Raceway								
Conduit	100%			2023	\$31,300	1		
Panelboards								
Fused Disc Sw	10%			2022	\$3,800	5		
Molded Case Bkrs	90%			2022	\$34,600	5	\$100	
Wiring								
Braided Cloth	40%	2-4	\$11,100	2048	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Thermoplastic	60%			2023	\$16,600	1		
Motor Controllers								
Locally Mounted	100%			2021	\$14,400	5		
Ground								
Grounding Devices								
Generic	100%	2-4	\$9,500	LIFE	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Water Main</i>								
<i>Explanation : Corroded</i>								

Lighting

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FIRE DEPARTMENT - 057
LADDER CO. 114
Asset # : 13223

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	100%			2031	**	10	\$2,900	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T8 Lamps</i>								
Exterior Lighting HID	100%			2019	\$12,100	10		
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Natural Gas	100%			2023	\$400	1		
<i>Corroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
Conversion Equipment Steam Boiler	100%	0-2	\$1,000	2021	\$19,400	1	\$2,900	
<i>Corroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Boiler Shell</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units</i>								
Distribution Central Plant Steam Piping/Pmp	100%	Now	\$5,100	2023	\$50,700	4	\$200	
<i>Corroded, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Terminal Devices Convactor/Radiator	100%			2021	\$16,000	1	\$1,000	
Air Conditioning								
Energy Source Electricity	100%			2031	**	1		
Conversion Equipment Window/Wall Unit	50%			2021	\$3,100	1		
No Component	50%							
Plumbing								
H/C Water Piping Brass/Copper	50%			2033	**	1		
Galvanized Steel	50%			2021	\$6,600	1		
Water Heater Gas Fired	100%			2022	\$1,800	2		
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		

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FIRE DEPARTMENT - 057
LADDER CO. 114
Asset # : 13223

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Plumbing								
Fixtures								
Generic		100%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : LADDER CO. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT
Address : 247-253 LAFAYETTE STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSLAD.020 / 13218 **Yr Built/Renovated** : 1965 /
Area Sq Ft : 28,866 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-May-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3,4
Block : 495 **Lot** : 7 **BIN** : 1007523

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$149,200	
Interior Architecture	\$36,700	
Electrical	\$7,800	\$172,700
Mechanical	\$68,700	\$195,100
Total	\$262,400	\$367,800
Importance Code A	\$149,200	
Importance Code B	\$113,200	\$367,800
Total	\$262,400	\$367,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$63,800	\$1,600		
Interior Architecture	\$42,900	\$10,700	\$1,100	\$10,000
Electrical	\$11,500	\$4,400	\$3,600	\$5,400
Mechanical	\$6,900	\$4,800	\$6,700	\$31,600
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$129,000	\$25,500	\$15,300	\$51,000
Importance Code A	\$65,200	\$3,000	\$1,400	\$1,800
Importance Code B	\$57,200	\$21,900	\$13,900	\$49,200
Importance Code C	\$6,600	\$600		
Total	\$129,000	\$25,500	\$15,300	\$51,000



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FIRE DEPARTMENT - 057
LADDER CO. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT
Asset # : 13218

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	3%	Now	\$3,300	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Above Overhead Doors</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Street Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Street Facade</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Above Overhead Doors</i>								
Masonry: Brick	87%	Now	\$25,400	LIFE	**	5	\$8,400	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : South West Corner, 3rd Story Street Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Bulkheads</i>								
Metal Sect. OHD	10%			2040	**	5	\$3,000	
Windows								
Aluminum	95%	Now	\$25,300	2052	**	5	\$300	
<i>Air Infiltration, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Windows Throughout</i>								
Steel	5%	Now	\$1,700	2052	**	5	\$200	1
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Stairs</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Stairwells</i>								
Parapets								
Masonry: Brick	95%	Now	\$8,000	LIFE	**	5	\$1,400	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 30%</i>								
<i>Location : Interior Parapet Face</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 20%</i>								
<i>Location : First And Fourth Stories - East Facade</i>								
Pre-Cast Concrete	5%	Now	\$100	LIFE	**	5	\$500	
<i>Caulking Deteriorated, Extent : Light, Area Affected : 20%</i>								
<i>Location : Coping Joints</i>								

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FIRE DEPARTMENT - 057
LADDER CO. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT
Asset # : 13218

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Roof								
Asphalt Shingle	2%			2030	**	10	\$100	
Modified Bitumen	98%	Now	\$149,200	2037	**			
<i>Blisters, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over First, Second And Fourth Floors</i>								
<i>Debris Present, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : All Roofs</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Lower Roof, North Side</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : At Roof Hatch, South Stair</i>								
Interior								
Floors								
Carpet	10%			2026	\$55,100	3	\$6,500	
Cast in Place Concrete	25%	Now	\$22,400	LIFE	**	5	\$23,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Ladder Apparatus Floor</i>								
<i>Uneven Surface, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	5%			2036	**	5	\$2,200	
Terrazzo	2%			LIFE	**	5	\$700	
Vinyl Tile	10%	Now	\$36,700	2037	**	3	\$1,600	
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Third And Fourth Floor Counselors Offices</i>								
Vinyl Tile	45%			2032	**	3	\$7,300	
Wood	3%			2055	**	5	\$2,400	
Interior Walls								
Ceramic Tile	2%			2040	**	5	\$1,200	
Concrete Masonry Unit	10%	Now	\$6,600	LIFE	**	5	\$2,400	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Parking Garage</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Cellar, Stairwells</i>								
Gypsum Board	20%			LIFE	**	5	\$7,100	
Plaster	48%			LIFE	**	5	\$8,600	
SGFT/Glazed Masonry	20%			LIFE	**			

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FIRE DEPARTMENT - 057

LADDER CO. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT

Asset # : 13218

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileConcealSpLn	35%			2032	**	5	\$18,900	
AcousTileSusp.Lay-In	20%			2040	**	5	\$8,600	
Exposed Concrete	20%	Now	\$13,900	LIFE	**	5	\$1,400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Stair 3 At Cellar</i>								
Gypsum Board	25%			LIFE	**	5	\$13,500	
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2027	\$4,800	5	\$800	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : No Available Nameplate Rating</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2027	\$48,800	5	\$800	
Raceway								
Conduit	20%			2037	**	1		
Conduit	70%			2027	\$21,900	1		
Conduit	10%			2053	**	1		
Panelboards								
Molded Case Bkrs	70%			2026	\$26,900	5	\$500	
Molded Case Bkrs	20%			2035	**	5	\$200	
Molded Case Bkrs	10%			2049	**	5	\$100	
Wiring								
Thermoplastic	20%			2037	**	1		
Thermoplastic	70%			2027	\$19,400	1		
Thermoplastic	10%			2053	**	1		
Motor Controllers								
Locally Mounted	100%			2025	\$14,400	5	\$200	
Ground								
Grounding Devices								
Generic	100%	0-2	\$9,500	LIFE	**	5	\$400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded And Connected To Main Water Pipe.</i>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2025	\$4,800	1	\$8,900	

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FIRE DEPARTMENT - 057
LADDER CO. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT
Asset # : 13218

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Generators								
Diesel	100%			2023	\$65,700	1	\$11,200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : Emergency Generator Rated @ 30kw</i>								
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$1,100	
Fuel Storage								
Day Tank								
	50%			2026	\$1,000	5	\$2,700	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : 10 Gallons Rated Capacity</i>								
Main Tank								
	50%			2030	**	5	\$400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : 275 Gallons Rated Capacity</i>								
Lighting								
Interior Lighting								
Fluorescent								
	2%			2027	\$1,600	10	\$500	
<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fluorescent								
	10%			2022	\$7,800	10	\$2,600	
<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent								
	10%			2035	**	10	\$2,600	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Fluorescent								
	38%			2027	\$29,700	10	\$10,100	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
LED								
	40%			2035	**			
Egress Lighting								
Emergency, Service								
	50%			2032	**	1		
Exit, Service								
	50%			2032	**	1		
Exterior Lighting								
Fluorescent								
	20%			2027	\$18,500	10	\$500	
<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
No Component								
	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

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FIRE DEPARTMENT - 057
LADDER CO. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT
Asset # : 13218

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2037	**	1		
Conversion Equipment								
Hot Water Boiler	85%			2032	**	1	\$12,100	
		<i>Other Observation, Extent : Light, Area Affected : 85%</i>						
		<i>Location : Basement Boiler Room</i>						
		<i>Explanation : 1 Unit</i>						
Hot Water Boiler	15%			2044	**	1	\$2,100	
		<i>Recent Installation, Extent : Light, Area Affected : 15%</i>						
		<i>Location : 2nd Floor Mechanical Room For Division 1</i>						
Distribution								
Hot Wtr Piping/Pump	85%	0-2	\$1,800	2035	**	4	\$1,200	
		<i>Corroded, Extent : Moderate, Area Affected : 5%</i>						
		<i>Location : Basement</i>						
Hot Wtr Piping/Pump	15%			2049	**	4	\$200	
		<i>Recent Replace Evident, Extent : Light, Area Affected : 15%</i>						
		<i>Location : 2nd Floor Division 1</i>						
Terminal Devices								
Convactor/Radiator	45%			2032	**	1	\$4,200	
Convactor/Radiator	15%			2044	**	1	\$1,400	
		<i>Recent Installation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 2nd Floor Division 1</i>						
Fan Coil Unit/Heat	20%			2027	\$80,800	1	\$1,900	
Unit Heater - Steam	20%			2032	**	4	\$800	
Air Conditioning								
Energy Source								
Electricity	100%			2035	**	1		
Conversion Equipment								
Reciprocating Compr/Chiller	30%	Now	\$68,700	2037	**	1	\$3,600	
		<i>R-22 Refrigerant, Extent : Light, Area Affected : 30%</i>						
		<i>Location : Penthouse</i>						
		<i>Other Observation, Extent : Severe, Area Affected : 30%</i>						
		<i>Location : Penthouse</i>						
		<i>Explanation : Aged Equipment / Chiller Jackets Off And Missing</i>						
Window/Wall Unit	50%			2025	\$28,100	1		
No Component	20%							
Distribution								
CW & CHW Wtr Pipe/Pump	30%	Now	\$400	2037	**	4	\$400	
		<i>Insul. Deteriorating, Extent : Severe, Area Affected : 5%</i>						
		<i>Location : Mechanical Room On Roof</i>						
No Component	70%							

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
LADDER CO. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT
Asset # : 13218

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Terminal Devices								
Fan Coil - 2 Pipe	15%			2035	**	1	\$1,400	
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : 2nd Floor Division 1</i>								
<i>Explanation : New Installation</i>								
Fan Coil - 4 Pipe	15%			2027	\$75,800	1	\$1,400	
No Component	70%							
Heat Rejection								
Air Cooled Condenser Unit	30%			2022	\$13,100	2	\$6,000	
Evaporative Condenser	15%			2035	**	2	\$3,000	
<i>Recent Installation, Extent : Light, Area Affected : 15%</i>								
<i>Location : Lower Roof</i>								
No Component	55%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$16,100	
Exhaust Fans								
Interior	40%			2027	\$38,400	2	\$400	
Roof	60%	Now	\$500	2027	\$26,900	2	\$400	
<i>Other Observation, Extent : Moderate, Area Affected : 3%</i>								
<i>Location : Lower Roof</i>								
<i>Explanation : 1 Cover Is Missing</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2037	**	1		
Water Heater								
Electric	15%			2026	\$3,600	4		
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : 2nd Floor Division 1</i>								
<i>Explanation : 1 Unit</i>								
Gas Fired	85%			2022	\$14,000	2	\$400	
<i>Other Observation, Extent : Light, Area Affected : 85%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 80 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	100%			2027	\$4,100	4	\$900	
Backflow Preventer								
Generic	100%			2035	**	1	\$1,800	
Fixtures								
Generic	100%							
Vertical Transport								

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FIRE DEPARTMENT - 057
LADDER CO. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT
Asset # : 13218

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component	% of	Fail Date	Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost
Type		Total	(Years)		FY		(Yrs)	
Vertical Transport								
Elevators								
	Geared Traction	100%			LIFE		**	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement To 4th Floor</i>								
<i>Explanation : 1 - Unit</i>								
Fire Suppression								
Sprinkler								
	No Component	50%						
	Generic	50%			2037	**	1-2	\$4,100

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : LADDER CO. 25/ENGINE CO. 74/ HOOK 25
Address : 205 W 77th STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSLAD.025 / 13219 **Yr Built/Renovated** : 1901 / 2005
Area Sq Ft : 13,300 **Project Type** : FIRE DEPARTMENT
Date of Survey : 11-May-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 1169 **Lot** : 26 **BIN** : 1030885

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$43,200
Interior Architecture	\$65,500	
Total	\$65,500	\$43,200
Importance Code A		\$43,200
Importance Code B	\$65,500	
Total	\$65,500	\$43,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$28,000			\$5,700
Interior Architecture	\$35,300		\$3,900	
Electrical	\$1,100	\$1,300	\$2,800	\$13,000
Mechanical	\$2,000	\$3,900	\$2,400	\$1,400
Total	\$66,300	\$5,200	\$9,200	\$20,100
Importance Code A	\$28,700	\$700	\$700	\$6,300
Importance Code B	\$2,400	\$4,500	\$5,600	\$13,700
Importance Code C	\$35,300		\$2,900	
Total	\$66,300	\$5,200	\$9,200	\$20,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
LADDER CO. 25/ENGINE CO. 74/ HOOK 25
Asset # : 13219

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$15,700	
Masonry: Brick	66%			LIFE	**	5	\$26,500	
Masonry: Limestone	20%			LIFE	**	5	\$6,000	
Metal Panel	2%			2047	**	5-10	\$5,500	
Metal Sect. OHD	5%			2044	**	5	\$6,300	
Window Wall	2%			2047	**	5	\$3,000	
Windows								
Aluminum	100%			2043	**	5	\$2,100	
Parapets								
Cast Stone/Terra Cotta	20%	Now	\$2,000	LIFE	**	5	\$6,100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : North West Corner Of Parapet Wall</i>								
Masonry: Brick	45%	Now	\$10,200	LIFE	**	5	\$1,800	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : North West Corner Of Parapet Wall</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Wall - Stepped Down Roof Above Kitchen</i>								
Metal Panel	35%			2047	**	5	\$5,300	
Roof								
Modified Bitumen	53%	0-2	\$8,600	2027		\$43,200		
<i>Blisters, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Debris Present, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Patching Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Several Locations Along Lap Joints</i>								
<i>Ponding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Middle Of Roof</i>								
Skylight, Plastic	2%			2044	**	1		
Sloped Glazing	5%	Now	\$4,100	LIFE	**	5	\$9,400	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Kitchen</i>								
Not Accessible	40%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Scaffolding And Netting Set Up - Neighboring Construction</i>								
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$17,400	
Ceramic Tile	10%			2036	**	5	\$2,000	
Wood	50%	2-4	\$65,500	2055	**	5	\$9,300	
<i>Deteriorated Finish, Extent : Severe, Area Affected : 75%</i>								
<i>Location : All Wood Flooring</i>								

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FIRE DEPARTMENT - 057
LADDER CO. 25/ENGINE CO. 74/ HOOK 25
Asset # : 13219

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Interior Walls

Ceramic Tile	20%			2036	**	5	\$5,900	
Concrete Masonry Unit	5%			LIFE	**	5	\$600	
Glass: Single Pane	3%			LIFE	**	5	\$700	
Gypsum Board	5%			LIFE	**	5	\$900	
Masonry: Brick	25%	Now	\$28,700	LIFE	**			

Misaligned/Bulging, Extent : Light, Area Affected : 10%

Location : Rear Wall - At Kitchen

Water Penetration, Extent : Severe, Area Affected : 5%

Location : At Sidewalk Vault

Worn/Eroded, Extent : Severe, Area Affected : 5%

Location : At Sidewalk Vault

Plaster	22%			LIFE	**	5	\$1,900	
Wood	20%	4+	\$6,600	LIFE	**	5	\$23,600	

Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 100%

Location : Throughout

Ceilings

Exposed Struc: Steel	30%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Below Apparatus Floor</i>								
<i>Explanation : Material Actually Metal Decking</i>								
Metal Panel	20%			LIFE	**	5	\$5,000	
Plaster	50%			LIFE	**	5	\$6,200	

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2047	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated @ 600 Amperes.</i>								

Switchgear / Switchboard

Fused Disc Sw	100%			2047	**	5	\$100	
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Raceway

Conduit	100%			2047	**	1		
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Panelboards

Fused Disc Sw	2%			2043	**	5		
Molded Case Bkrs	98%			2043	**	5	\$300	

Wiring

Thermoplastic	100%			2047	**	1		
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Motor Controllers

Locally Mounted	100%			2040	**	5	\$100	
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Ground

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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FIRE DEPARTMENT - 057
LADDER CO. 25/ENGINE CO. 74/ HOOK 25
Asset # : 13219

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2040	**	1	\$4,100	
Generators								
Diesel	100%			2036	**	1	\$5,200	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Emergency Generator Rated @ 80kva</i>						
Batteries								
Lead/Acid	100%			2021	\$1,500	5	\$500	
Fuel Storage								
Day Tank	50%			2043	**	5	\$1,200	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 25 Gallons Rated Capacity</i>						
Main Tank	50%			2055	**	5	\$200	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 550 Gallons Rated Capacity</i>						
Lighting								
Interior Lighting								
Fluorescent	70%			2032	**	10	\$8,500	
		<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Fluorescent	25%			2032	**	10	\$3,100	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement And 1st Floor</i>						
Incandescent	5%			2032	**	2		
Egress Lighting								
Emergency, Service	50%			2032	**	1		
Exit, LED	50%			2055	**	1		
Exterior Lighting								
Fluorescent	20%			2032	**	10	\$200	
		<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
No Component	80%							
Alarm								
Fire/Smoke Detection								
No Component	80%							
Generic, Digital	20%			2032	**	1-3	\$1,600	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Hallways</i>						
		<i>Explanation : Strobe Lights And Alarm Bells</i>						

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FIRE DEPARTMENT - 057
LADDER CO. 25/ENGINE CO. 74/ HOOK 25
Asset # : 13219

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
Conversion Equipment								
Furnace	40%			2032	**	1	\$2,600	
		<i>Other Observation, Extent : Light, Area Affected : 40%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 5 Rtu</i>						
Hot Water Boiler	60%			2040	**	1	\$4,000	
		<i>Other Observation, Extent : Light, Area Affected : 60%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Hydro- Therm Multi- Temp. 3 Boilers Packaged</i>						
Distribution								
Hot Wtr Piping/Pump	60%			2043	**	4	\$600	
No Component	40%							
Terminal Devices								
Convactor/Radiator	20%			2040	**	1	\$900	
Unit Heater - Steam	40%			2032	**	4	\$700	
No Component	40%							
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	100%			2032	**	2	\$800	
		<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 5 Units. Roof</i>						
Ventilation								
Distribution								
Ductwork/Diffusers	80%			LIFE	**	2-5	\$5,900	
No Component	20%							
Exhaust Fans								
Roof	80%			2027	\$16,500	2	\$300	
Wall Unit	20%			2032	**	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2047	**	1		
Water Heater								
Gas Fired	100%			2025	\$7,600	2	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 - Units 99 Gallons Each</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

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FIRE DEPARTMENT - 057
LADDER CO. 25/ENGINE CO. 74/ HOOK 25
Asset # : 13219

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing	Sump Pump(s) Non-Submersible	100%			2027	\$1,900	4	\$400
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 Pits With Pumps</i>					
	Fixtures							
	Generic	100%						
Fire Suppression	Sprinkler							
	Generic	100%			2047	**	1-2	\$3,700
	Chemical System							
	Generic	100%			2020	\$1,900	1-3	\$3,700
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : 1 Set</i>					

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : LADDER CO. 3
Address : 108 EAST 13rd STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSLAD.003 / 13215 **Yr Built/Renovated** : 1929 / 2002
Area Sq Ft : 5,148 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Jul-2012 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 558 **Lot** : 11 **BIN** : 1009010

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$104,600
Electrical	\$30,800	\$48,800
Total	\$30,800	\$153,400
Importance Code A		\$104,600
Importance Code B	\$30,800	\$48,800
Total	\$30,800	\$153,400

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$9,300			
Interior Architecture	\$51,900	\$300	\$300	\$600
Electrical	\$26,100	\$400	\$400	\$400
Mechanical	\$9,600	\$700	\$26,600	\$700
Total	\$96,900	\$1,300	\$27,200	\$1,700
Importance Code A	\$9,800	\$500	\$500	\$500
Importance Code B	\$87,000	\$800	\$26,400	\$1,200
Importance Code C			\$300	
Total	\$96,900	\$1,300	\$27,200	\$1,700



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FIRE DEPARTMENT - 057
LADDER CO. 3
Asset # : 13215

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	78%			LIFE	**	5	\$15,100	
<i>Recent Repair Evident, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	2%			LIFE	**	5	\$300	
Masonry: Limestone	10%			LIFE	**	5	\$1,500	
Wood Overhead Doors	10%			2028	\$61,400	5	\$9,700	
Windows								
Aluminum	100%			2039	**	5	\$1,300	
Parapets								
Masonry: Brick	90%			LIFE	**	5	\$3,000	
Masonry: Sandstone	10%			LIFE	**	5	\$400	
Roof								
Modified Bitumen	100%	Now	\$8,700	2028	\$43,300			
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Side</i>								
<i>Ponding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Side</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Side</i>								
Interior								
Floors								
Carpet	5%	Now	\$4,900	2025	\$4,900	3	\$600	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor</i>								
<i>Wrinkling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor</i>								
Cast in Place Concrete	50%	Now	\$19,900	LIFE	**	5	\$8,400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Apparatus Floor Is Not Currently Sound Enough To Carry Existing Loads</i>								
Ceramic Tile	10%			2032	**	5	\$800	
Terrazzo	5%			LIFE	**	5	\$300	
Vinyl Tile	30%			2023	\$19,500	3	\$900	
Interior Walls								
Ceramic Tile	5%			2026	\$14,500	5	\$500	
Masonry: Brick	20%			LIFE	**			
Marble Panels	3%			LIFE	**			
Plaster	42%			LIFE	**	5	\$1,300	
SGFT/Glazed Masonry	30%			LIFE	**			

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FIRE DEPARTMENT - 057
LADDER CO. 3
Asset # : 13215

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Interior

Ceilings

AcousTileSusp.Lay-In	5%			2028	\$3,100	5	\$400	
Exposed Concrete	55%	Now	\$27,100	LIFE	**	5	\$700	

Cracking/Crumbling, Extent : Moderate, Area Affected : 20%

Location : Basement

Exposed Reinforcement, Extent : Moderate, Area Affected : 20%

Location : Basement

Other Observation, Extent : Moderate, Area Affected : 100%

Location : Basement

Explanation : Lally Columns Provide Additional Support To Apparatus Floor

Plaster	40%			LIFE	**	5	\$1,900	
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	50%			2023	\$2,400	5		
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Basement

Explanation : Main Service Switch Rated @ 200 Amperes

Fused Disc Sw	50%			2049	**	5		
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Basement

Explanation : Emergency Service Switch Rated @ 200 Amperes

Switchgear / Switchboard

Molded Case Bkrs	100%			2023	\$48,800	5	\$100	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Basement

Explanation : Enclosure Missing

Raceway

Conduit	100%			2023	\$31,300	1		
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Panelboards

Molded Case Bkrs	80%			2022	\$30,800	5	\$100	
Molded Case Bkrs	20%			2045	**	5		

Wiring

Braided Cloth	20%	2-4	\$5,500	2048	**	1		
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Insulation Aged, Extent : Moderate, Area Affected : 100%

Location : Basement

Thermoplastic	80%			2033	**	1		
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Ground

Grounding Devices

Generic	100%	0-2	\$9,500	LIFE	**	5	\$100	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Basement

Explanation : Corroded

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
LADDER CO. 3
Asset # : 13215

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Transfer Switches								
Automatic	100%			2040	**	1	\$1,600	
Generators								
Diesel	100%			2036	**	1	\$2,000	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Diesel Generator Rated @ 40 Kw</i>						
Batteries								
Lead/Acid	100%			2019	\$1,500	5	\$200	
Fuel Storage								
Main Tank	100%			2058	**	5	\$200	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 170 Gallon Capacity</i>						
Lighting								
Interior Lighting								
Fluorescent	65%			2023	\$9,100	10	\$3,100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement, 1st Floor</i>						
		<i>Explanation : T-8 Lamps</i>						
Fluorescent	35%			2019	\$4,900	10	\$1,700	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : T-12 Lamps</i>						
Egress Lighting								
Emergency, Service	100%			2019	\$2,500	1		
Exterior Lighting								
HID	100%			2023	\$19,400	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Steam Boiler	100%			2036	**	1	\$5,100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit</i>						
Distribution								
Central Plant Steam Piping/Pmp	100%			2033	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2021	\$25,800	1	\$1,700	
Air Conditioning								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
LADDER CO. 3
Asset # : 13215

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning									
Energy Source									
	Electricity	100%			2031	* *	1		
Conversion Equipment									
	Window/Wall Unit	50%			2019	\$5,000	1		
	No Component	50%							
Ventilation									
Exhaust Fans									
	Roof	15%	2-4	\$700	2028	\$1,200	2		
				<i>Other Observation, Extent : Severe, Area Affected : 5%</i>					
				<i>Location : Kitchen</i>					
				<i>Explanation : The Kitchen Range Exhaust Is Under Sized And Very Old</i>					
	No Component	85%							
Plumbing									
H/C Water Piping									
	Brass/Copper	100%			2033	* *	1		
Water Heater									
	Gas Fired	100%			2019	\$2,900	2	\$100	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
				<i>Location : Basement</i>					
				<i>Explanation : 2 Units</i>					
Sanitary Piping									
	Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping									
	Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)									
	Submersible	100%			2019	\$200	4	\$200	
Fixtures									
	Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : LADDER CO. 47
Address : 1220 CASTLE HILL AVENUE @ ELLIS AVE.
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSLAD.047 / 13232 **Yr Built/Renovated** : 1912 /
Area Sq Ft : 6,340 **Project Type** : FIRE DEPARTMENT
Date of Survey : 29-Apr-2013 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,3
Block : 3821 **Lot** : 7 **BIN** : 2094871

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$61,200	
Total	\$61,200	
Importance Code A	\$61,200	
Total	\$61,200	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$81,800			
Interior Architecture	\$60,900			\$300
Electrical	\$23,900		\$100	
Mechanical	\$8,500	\$900	\$1,000	\$4,900
Site Enclosure	\$200			
Site Pavements	\$500			
Total	\$175,700	\$1,000	\$1,100	\$5,200
Importance Code A	\$82,400	\$600	\$600	\$600
Importance Code B	\$78,100	\$300	\$500	\$4,600
Importance Code C	\$15,200			
Total	\$175,700	\$1,000	\$1,100	\$5,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
LADDER CO. 47
Asset # : 13232

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%	0-2	\$61,200	LIFE	**	5	\$20,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	20%	0-2	\$34,300	LIFE	**	5	\$4,400	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	5%	0-2	\$7,900	LIFE	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	5%	0-2	\$4,600	2037	**	5	\$3,600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%	Now	\$17,100	2040	**	5	\$700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Light, Area Affected : 2%</i>								
<i>Location : Main Truck Bay Window</i>								
Parapets								
Masonry: Brick	80%	0-2	\$11,000	LIFE	**	5	\$1,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Pre-Cast Concrete	20%	0-2	\$1,700	LIFE	**	5	\$3,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Parapet Wall Coping</i>								
Roof								
Modified Bitumen	95%	0-2	\$3,000	2029	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Roll Roofing	5%	0-2	\$2,300	2026	\$2,300	5	\$500	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
LADDER CO. 47
Asset # : 13232

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	38%	0-2	\$18,700	LIFE	**	5	\$7,900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%	Now	\$900	2033	**	5	\$200	
<i>Horizontal Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Toilet Rooms</i>								
Quarry Tile	2%	0-2	\$500	2037	**	5	\$100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Sheet Vinyl/Rubber	20%	0-2	\$11,200	2029	**	5	\$1,400	
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Steel Plate	5%			LIFE	**	1		
Terrazzo	5%			LIFE	**	5	\$400	
Vinyl Tile	25%	0-2	\$4,000	2029	**	3	\$900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%	Now	\$900	2033	**	5	\$300	
<i>Vertical Cracks, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Concrete Masonry Unit	10%	2-4	\$1,400	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Gypsum Board	30%	Now	\$800	LIFE	**	5	\$2,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	20%	Now	\$5,100	LIFE	**			
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Plaster	30%	Now	\$6,300	LIFE	**	5	\$1,200	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Steel Plate	5%			LIFE	**	5	\$400	

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
LADDER CO. 47
Asset # : 13232

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	10%	0-2	\$800	2037	**	5	\$500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Gypsum Board	40%	Now	\$7,700	LIFE	**	5	\$4,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Plaster	40%	Now	\$2,500	LIFE	**	5	\$2,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
No Component	10%							
Site Enclosure								
Fence/Gates								
Chain link	100%	0-2	\$200	2044	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Site Pavements								
Parking/Driveway								
Cast in Place Concrete	100%	0-2	\$500	2037	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	100%			2050	**	1		
Panelboards								
Molded Case Bkrs	80%			2046	**	5	\$100	
Molded Case Bkrs	20%			2040	**	5		
Wiring								
Braided Cloth	50%			2032	**	1		
Thermoplastic	50%			2050	**	1		
Motor Controllers								
Locally Mounted	100%			2041	**	5		
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								
Interior Lighting								
Fluorescent	100%			2034	**	10	\$5,800	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
LADDER CO. 47
Asset # : 13232

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Egress Lighting								
Emergency, Battery	50%			2024	\$4,300	10	\$800	
Exit, Service	50%			2024	\$400	1		
Exterior Lighting								
HID	100%			2019	\$23,900	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source								
Natural Gas	100%			2044	**	1		
Conversion Equipment								
Steam Boiler	100%			2041	**	1	\$6,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								

Distribution								
Central Plant Steam Piping/Pmp	100%			2034	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2029	**	1	\$2,100	

Air Conditioning

Energy Source								
Electricity	100%			2040	**	1		
Conversion Equipment								
Window/Wall Unit	30%			2019	\$3,700	1		
No Component	70%							
Terminal Devices								
Fan Coil - 2 Pipe	10%	Now	\$700	2029	**	1	\$200	
<i>Broken, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
No Component	90%							

Heat Rejection								
Air Cooled Condenser Unit	10%			2029	**	2	\$400	
No Component	90%							

Ventilation

Exhaust Fans								
Roof	10%			2024	\$1,000	2		
No Component	90%							

Plumbing

H/C Water Piping								
Brass/Copper	100%			2044	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
LADDER CO. 47
Asset # : 13232

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Water Heater Gas Fired	100%			2022	\$3,600	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
	Sanitary Piping Cast Iron	100%	Now	\$2,200	LIFE	**	1	
<i>Corroded, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								
	Storm Drain Piping Cast Iron	100%	Now	\$600	LIFE	**	1	
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
	Sump Pump(s) Submersible	100%			2019	\$200	4	\$200
	Backflow Preventer Generic	100%			2029	**	1	\$400
Fixtures								
	Generic	100%						
<i>Obsolete Fixtures, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Bathroom On 1st Floor</i>								
Fire Suppression								
	Chemical System Dry	10%			2022	\$200	1-3	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Model Rg-4gs</i>								
	No Component	90%						

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : LADDER CO. 79
Address : 1189 CASTLETON AVENUE @ ROE ST.
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSLAD.079 / 13222 **Yr Built/Renovated** : 1903 / 2010
Area Sq Ft : 5,828 **Project Type** : FIRE DEPARTMENT
Date of Survey : 09-May-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Floors 1,2
Block : 198 **Lot** : 136 **BIN** : 5005308

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$25,200	\$5,900		
Interior Architecture	\$20,900	\$300	\$200	\$700
Electrical	\$400	\$500	\$2,100	\$4,700
Mechanical	\$1,900	\$1,200	\$1,800	\$1,300
Site Pavements	\$4,700			
Total	\$53,100	\$7,900	\$4,100	\$6,700
Importance Code A	\$25,700	\$6,500	\$600	\$700
Importance Code B	\$22,100	\$1,400	\$3,300	\$6,000
Importance Code C	\$5,300		\$200	
Total	\$53,100	\$7,900	\$4,100	\$6,700



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
LADDER CO. 79
Asset # : 13222

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Exterior								
Exterior Walls								
	Alum/Vinyl Siding	28%			2047	**	10	\$1,300
	Masonry: Brick	60%			LIFE	**	5	\$9,200
	Masonry: Granite	2%			LIFE	**	5	\$200
	Wood Overhead Doors	10%	Now	\$24,100	2032	**	5	\$3,800
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Door Jamb And Head</i>								
<i>Loose/Miss Fasteners, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Windows								
	Aluminum	25%			2043	**	5	\$400
	Wood	75%			2035	**	5	\$11,900
Parapets								
	Metal Cornice	10%	0-2	\$400	2042	**		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : South Facade</i>								
<i>Explanation : Top Of Front Parapet</i>								
	No Component	70%						
	Not Accessible	15%						
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Front Of Building</i>								
<i>Explanation : Brick</i>								
	Not Accessible	5%						
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : At Front Of Building</i>								
<i>Explanation : Cast Stone And Terra Cotta</i>								
Roof								
	Asphalt Shingle	15%	Now	\$700	2030	**		
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Dining Room, Weight Room, And Barbecue Area</i>								
	Not Accessible	85%						
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Main Roof</i>								
<i>Explanation : Modified Bitumin</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
LADDER CO. 79
Asset # : 13222

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	35%			LIFE	**	5	\$5,100	
Ceramic Tile	5%	4+	\$100	2036	**	5	\$200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Bathroom On 1st Floor</i>								
Quarry Tile	10%			2032	**	5	\$1,000	
Vinyl Tile	20%	Now	\$11,300	2037	**	3	\$500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor</i>								
<i>Patching Evident, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor Throughout</i>								
Vinyl Tile	30%			2032	**	3	\$800	
Interior Walls								
Ceramic Tile	5%			2036	**	5	\$500	
Gypsum Board	15%	Now	\$600	LIFE	**	5	\$800	
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 1st Floor Areas Located Below Asphalt Shingle Roof</i>								
Masonry: Brick	10%			LIFE	**			
Plaster	25%			LIFE	**	5	\$700	
Wood	45%			LIFE	**	5	\$16,500	
<i>Deteriorated Finish, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Apparatus Area</i>								
Ceilings								
AcousTileSusp.Lay-In	15%	Now	\$800	2040	**	5	\$500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Washroom On 2nd Floor</i>								
Embossed Metal	40%			LIFE	**	5	\$1,200	
<i>Deformed/Dented, Extent : Light, Area Affected : 20%</i>								
<i>Location : Apparatus Area</i>								
Gypsum Board	40%	Now	\$8,100	LIFE	**	5	\$3,300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Weight Room</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 1st Floor Areas Below Shingle Roof</i>								
Plaster	5%			LIFE	**	5	\$200	
Site Enclosure								
Fence/Gates								
Chain link	100%			2037	**			
Site Pavements								

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FIRE DEPARTMENT - 057
LADDER CO. 79
Asset # : 13222

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

Parking/Driveway

Cast in Place Concrete	100%	4+	\$4,700	2032		**		
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Cracking/Crumbling, Extent : Light, Area Affected : 5%

Location : Front Driveway And Sidewalk

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2027	\$4,800	5	\$200	
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Other Observation, Extent : Light, Area Affected : 100%

Location : First Floor

Explanation : 200 Amperes Main Circuit Breaker Enclosure

Raceway

Conduit	75%			2027	\$23,500	1		
Conduit	25%			2047	**	1		

Panelboards

Fused Disc Sw	10%			2026	\$3,800	5		
Molded Case Bkrs	50%			2035	**	5	\$100	
Molded Case Bkrs	40%			2026	\$15,400	5	\$100	

Wiring

Thermoplastic	70%			2027	\$19,400	1		
Thermoplastic	30%			2047	**	1		

Motor Controllers

Locally Mounted	100%			2025	\$14,400	5		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Basement

Explanation : No Ground Wire Jumper For Water Meter

Stand-by Power

Transfer Switches

Automatic	100%			2040	**	1	\$1,800	
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Generators

Diesel	100%			2036	**	1	\$2,300	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : One 40 Kw

Batteries

Lead/Acid	100%			2021	\$1,500	5	\$200	
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FIRE DEPARTMENT - 057
LADDER CO. 79
Asset # : 13222

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Fuel Storage								
Day Tank	50%			2043	**	5	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 50 Gallons</i>								
Main Tank	50%			2055	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 216 Gallons</i>								
Lighting								
Interior Lighting								
Fluorescent	70%			2027	\$11,100	10	\$3,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	20%			2022	\$3,200	10	\$1,100	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : First And Second Floor</i>								
Incandescent	10%			2027	\$3,700	2		
Egress Lighting								
Emergency, Service	70%			2027	\$2,000	1		
Exit, LED	30%			2042	**	1		
Exterior Lighting								
HID	50%			2027	\$11,000	10		
No Component	50%							
Alarm								
Security System								
No Component	90%							
Generic	10%			2032	**	1	\$200	

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2047	**	1		
<i>Corroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
Conversion Equipment								
Steam Boiler	100%			2040	**	1	\$5,800	
Distribution								
Central Plant Steam Piping/Pmp	100%			2047	**	4	\$400	
Terminal Devices								
Convactor/Radiator	100%			2040	**	1	\$1,900	

Air Conditioning

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FIRE DEPARTMENT - 057
LADDER CO. 79
Asset # : 13222

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Energy Source								
	Electricity	100%			2043	**	1	
Conversion Equipment								
	Window/Wall Unit	50%			2025	\$5,700	1	
	No Component	50%						
Distribution								
	Ductwork/Diffusers	50%			LIFE	**	2	\$3,800
	No Component	50%						
Terminal Devices								
	Air Handler/Dir Expansion	50%			2032	**	1	
	No Component	50%						
Heat Rejection								
	Air Cooled Condenser Unit	50%			2032	**	2	\$2,000
	No Component	50%						
Ventilation								
Exhaust Fans								
	Interior	80%	Now	\$800	2032	**	2	\$100
		<i>Malfunctioning, Extent : Moderate, Area Affected : 10% Location : 1st Floor Bathroom</i>						
	Wall Unit	20%	Now	\$100	2027	\$400	2	
		<i>Malfunctioning, Extent : Moderate, Area Affected : 20% Location : Kitchen Hood</i>						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2037	**	1	
Water Heater								
	Gas Fired	100%			2025	\$3,300	2	\$100
		<i>Other Observation, Extent : Light, Area Affected : 100% Location : Basement Explanation : 75 Gallons</i>						
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Backflow Preventer								
	Generic	100%			2032	**	1	\$400
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System								
	Wet	10%			2025	\$200	1-3	\$500
	No Component	90%						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : LADDER CO. 8
Address : 14 NORTH MOORE STREET @ VARICK ST.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSLAD.008 / 13216 **Yr Built/Renovated** : 1904 / 2002
Area Sq Ft : 6,258 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Aug-2012 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 189 **Lot** : 35 **BIN** : 1002150

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$601,200	\$192,500
Interior Architecture	\$52,100	\$41,300
Electrical	\$91,200	
Mechanical		\$108,200
Total	\$744,500	\$342,100
Importance Code A	\$601,200	\$192,500
Importance Code B	\$143,300	\$149,500
Total	\$744,500	\$342,100

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$57,000			
Interior Architecture	\$154,900			\$700
Electrical	\$44,900		\$15,700	\$2,200
Mechanical	\$7,700	\$800	\$39,000	\$800
Total	\$264,500	\$800	\$54,700	\$3,700
Importance Code A	\$57,600	\$600	\$600	\$600
Importance Code B	\$156,300	\$200	\$54,100	\$3,100
Importance Code C	\$50,700			
Total	\$264,500	\$800	\$54,700	\$3,700



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FIRE DEPARTMENT - 057
LADDER CO. 8
Asset # : 13216

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$345,700	LIFE	**	5	\$21,000	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	5%	Now	\$96,800	LIFE	**	5	\$1,100	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : West And North Facades</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 75%</i>								
<i>Location : West And North Facades</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 100%</i>								
<i>Location : West And North Facades</i>								
Masonry: Limestone	10%	Now	\$158,800	LIFE	**	5	\$2,300	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : West And North Facades</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 40%</i>								
<i>Location : West And North Facades</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 100%</i>								
<i>Location : West And North Facades</i>								
Wood Overhead Doors	15%	0-2	\$15,500	2028	\$155,400	5	\$11,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%	0-2	\$7,000	2039	**	5	\$800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	90%	2-4	\$15,000	LIFE	**	5	\$2,400	
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%	Now	\$12,100	LIFE	**	5	\$300	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Recent Repair Evident, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Coping</i>								
Roof								
Modified Bitumen	100%	0-2	\$7,400	2023	\$37,200			
<i>Blisters, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

Interior

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FIRE DEPARTMENT - 057
LADDER CO. 8
Asset # : 13216

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	25%	Now	\$26,600	LIFE	**	5	\$5,100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Corrosion / Rusting</i>								
Ceramic Tile	5%	Now	\$9,900	2038	**	5	\$200	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Toilets</i>								
Quarry Tile	5%	0-2	\$5,900	2028	\$14,700	5	\$400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	60%	Now	\$52,100	2033	**	3	\$2,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Wood	5%	Now	\$10,100	2051	**	5	\$400	
<i>Uneven Surface, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Stair To Cellar</i>								
Interior Walls								
Ceramic Tile	5%	0-2	\$3,900	2026	\$19,400	5	\$300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	20%	Now	\$21,900	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Plaster	50%	0-2	\$11,300	LIFE	**	5	\$1,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
SGFT/Glazed Masonry	25%	Now	\$13,600	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Room</i>								

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FIRE DEPARTMENT - 057
LADDER CO. 8
Asset # : 13216

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	50%	0-2	\$4,100	2028	\$41,300	5	\$2,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Embossed Metal	25%	Now	\$13,500	LIFE	**	5	\$1,100	
<i>Deformed/Dented, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Apparatus Room</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Room</i>								
Exposed Concrete	20%	Now	\$32,900	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded Steel Beam</i>								
Plaster	5%	0-2	\$1,300	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2023	\$5,300	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Amperes Main Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%	2-4	\$53,300	2053	**	5	\$100	
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Raceway								
Conduit	100%			2023	\$34,200	1		
Panelboards								
Fused Disc Sw	5%	2-4	\$2,100	2048	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded</i>								
Fused Disc Sw	5%			2022	\$2,100	5		
Molded Case Bkrs	90%			2022	\$37,900	5	\$100	
Wiring								
Thermoplastic	100%			2023	\$30,300	1		

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FIRE DEPARTMENT - 057
LADDER CO. 8
Asset # : 13216

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Motor Controllers								
	Locally Mounted	100%			2021	\$15,700	5	
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$100
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Lighting								
Interior Lighting								
	Fluorescent	70%			2019	\$13,000	10	\$4,000
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-12 Lamps</i>								
	Fluorescent	30%			2023	\$5,600	10	\$1,700
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-8 Lamps</i>								
Exterior Lighting								
	HID	100%			2019	\$25,800	10	
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
Energy Source								
	Natural Gas	100%			2033	**	1	
Conversion Equipment								
	Steam Boiler	100%			2040	**	1	\$6,200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
	Central Plant Steam Piping/Pmp	100%			2023	\$108,200	4	\$500
Terminal Devices								
	Convactor/Radiator	100%			2021	\$34,200	1	\$2,000
Air Conditioning								
Energy Source								
	Electricity	100%			2039	**	1	
Conversion Equipment								
	Window/Wall Unit	50%			2019	\$6,700	1	
	No Component	50%						
Ventilation								
Exhaust Fans								
	Wall Unit	10%			2023	\$200	2	
	No Component	90%						

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FIRE DEPARTMENT - 057
LADDER CO. 8
Asset # : 13216

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
H/C Water Piping								
Brass/Copper	5%			2043	**	1		
Galvanized Steel	95%			2028	\$26,700	1		
Water Heater								
Gas Fired	100%			2021	\$3,900	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Two 74 Gallon Units</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	100%			2023	\$1,000	4	\$200	
Backflow Preventer								
No Component	90%							
Generic	10%			2031	**	1		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Installed On Steam Boiler Connection</i>						
Fixtures								
Generic	100%							

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : MAINTENANCE GARAGE LIC
Address : 48-34 35TH STREET LONG ISLAND CITY
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0001.000 / 2010 **Yr Built/Renovated** : 1945 / 2009
Area Sq Ft : 205,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Jun-2014 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 254 **Lot** : 1 **BIN** : 4003451

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$87,300	\$532,300
Interior Architecture	\$44,800	\$515,400
Electrical		\$171,100
Mechanical	\$54,500	\$427,700
Total	\$186,700	\$1,646,400
Importance Code A	\$87,300	\$532,300
Importance Code B	\$99,300	\$1,114,100
Total	\$186,700	\$1,646,400

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$49,100		\$1,100	
Interior Architecture	\$17,200		\$5,200	\$36,600
Electrical	\$28,000	\$34,700	\$32,100	\$40,400
Mechanical	\$2,700	\$4,500	\$19,400	\$3,900
Total	\$97,000	\$39,200	\$57,800	\$80,900
Importance Code A	\$49,200	\$100	\$1,200	\$100
Importance Code B	\$39,300	\$39,000	\$56,600	\$80,800
Importance Code C	\$8,400			
Total	\$97,000	\$39,200	\$57,800	\$80,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
MAINTENANCE GARAGE LIC
Asset # : 2010

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast in Place Concrete	75%			LIFE	**	5	\$230,900	
Metal Panel	15%			2051	**	5-10	\$63,500	
Metal Sect. OHD	10%	Now	\$19,200	2038	**	5	\$9,600	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Facade Entrance</i>								
<i>Explanation : Bent Warped</i>								
Windows								
Aluminum	95%	Now	\$29,600	2047	**	5	\$1,800	
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Carpentry Shop</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor Offices</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Second Floor Offices</i>								
Metal Louvers	5%	Now	\$300	2034	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast in Place Concrete	95%			LIFE	**	5	\$108,600	
Metal Panel	5%			2051	**	5	\$2,100	
Roof								
Modified Bitumen	65%			2033	**	10	\$153,400	
Modified Bitumen	30%	0-2	\$41,200	2033	**			
<i>Ponding, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Flat Roofs</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Flat Roofs</i>								
Skylight, Metal/Glass	5%			2045	**	10	\$39,300	
Interior								
Floors								
Cast in Place Concrete	65%			LIFE	**	5	\$396,900	
Ceramic Tile	5%			2034	**	5	\$14,000	
Terrazzo	5%			LIFE	**	5	\$10,900	
Vinyl Tile	5%			2025	\$118,500	3	\$7,000	
Vinyl Tile	15%			2033	**	3	\$15,700	
Under Construction	5%							
Interior Walls								
Cast in Place Concrete	5%	Now	\$8,400	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Window Lintel Second Floor Offices</i>								
Concrete Masonry Unit	10%			LIFE	**	5	\$1,100	
Gypsum Board	25%			LIFE	**	5	\$4,000	
Plaster	35%			LIFE	**	5	\$2,800	
SGFT/Glazed Masonry	20%			LIFE	**			
Under Construction	5%							

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FIRE DEPARTMENT - 057
MAINTENANCE GARAGE LIC
Asset # : 2010

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

Acous Tile Susp. Lay-In	25%			2042	**	5	\$69,800	
Exposed Concrete	50%			LIFE	**	5	\$21,800	
Exposed Concrete	5%	Now	\$44,800	LIFE	**	5	\$2,200	

Cracking/Crumbling, Extent : Moderate, Area Affected : 10%

Location : Concrete Beam At Ceiling Over Storage Area

Exposed Struc: Steel	5%			LIFE	**			
Plaster	10%			LIFE	**	5	\$17,400	
Under Construction	5%							

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Not Accessible	100%							
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Transformers

Dry Type	100%			2042	**	5	\$800	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Roof

Explanation : 225 Kva, 208/120 V

Switchgear / Switchboard

Air Circuit Breaker	50%			2051	**	5	\$500	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Generator Room

Explanation : Low Voltage Power Circuit Breaker

Not Accessible	50%							
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Raceway

Conduit	100%			2051	**	1		
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Panelboards

Fused Disc Sw	2%			2047	**	5	\$100	
Molded Case Bkrs	98%			2047	**	5	\$5,300	

Wiring

Thermoplastic	100%			2051	**	1		
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Motor Controllers

Locally Mounted	100%			2042	**	5	\$1,400	
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$3,000	
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Stand-by Power

Transfer Switches

Automatic	100%			2042	**	1	\$63,100	
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FIRE DEPARTMENT - 057
MAINTENANCE GARAGE LIC
Asset # : 2010

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Generators								
Diesel	100%			2038	**	1	\$79,400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : 2- Emergency Generators No Available Nameplate Ratings</i>								
Batteries								
Lead/Acid	100%			2020	\$1,500	5	\$7,600	
Fuel Storage								
Day Tank								
	50%			2047	**	5	\$17,300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator</i>								
<i>Explanation : 620 Gallon Capacity</i>								
Main Tank								
	50%			2060	**	5	\$2,700	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Underground</i>								
<i>Explanation : No Available Nameplate Rating Capacity</i>								
Lighting								
Interior Lighting								
Fluorescent								
	30%			2033	**	10	\$51,300	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Offices</i>								
Fluorescent								
	70%			2033	**	10	\$119,700	
<i>T-5 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Repair Shops</i>								
Egress Lighting								
Emergency, Battery								
	30%			2033	**	10	\$13,500	
Exit, Service								
	70%			2033	**	1		
Exterior Lighting								
HID								
	100%			2033	**	10	\$600	
Alarm								
Security System								
No Component								
	70%							
Generic								
	30%			2033	**	1	\$23,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Inside And Outside</i>								
<i>Explanation : CCTV Surveillance Camera</i>								
Fire/Smoke Detection								
Generic, Digital								
	100%			2033	**	1-3	\$126,300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Strobe Lights, Smoke Detectors, Manual Pull Stations, Horns, Alarm Bells And Horns</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
MAINTENANCE GARAGE LIC
Asset # : 2010

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	40%			2045	**	1		
Interruptible Gas/Dual Fuel	60%			2045	**	1		
Conversion Equipment								
Furnace	40%			2030	**	1	\$400	
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : Roof</i>								
<i>Explanation : 4 Units</i>								
Steam Boiler	60%			2038	**	1	\$1,100	
<i>Other Observation, Extent : Light, Area Affected : 60%</i>								
<i>Location : Basement Boiler Room</i>								
<i>Explanation : 3 Units</i>								
Distribution								
Central Plant Steam Piping/Pmp	60%			2025	\$17,700	4	\$100	
No Component	40%							
Terminal Devices								
Convactor/Radiator	40%			2030	**	1	\$200	
Fan Coil Unit/Heat	20%			2025	\$5,200	1	\$100	
No Component	40%							
Air Conditioning								
Energy Source								
Electricity	100%			2033	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	5%			2030	**	2	\$600	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 5%</i>								
<i>Location : Roof</i>								
Split Unit	10%			2030	**			
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Roof</i>								
<i>Explanation : Refrigerant R-410 A</i>								
Window/Wall Unit	15%			2020	\$54,500	1		
No Component	70%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2030	**	1	\$6,000	
No Component	90%							
Heat Rejection								
Dry Cooler	10%			2030	**	2	\$13,000	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$104,000	
Exhaust Fans								
Interior	5%			2030	**	2	\$300	
Roof	95%			2025	\$275,100	2	\$5,400	

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FIRE DEPARTMENT - 057
MAINTENANCE GARAGE LIC
Asset # : 2010

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
H/C Water Piping	Brass/Copper	100%			2035	**	1	
Water Heater	Gas Fired	100%			2023	\$106,400	2	\$2,700
Sanitary Piping	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)	Non-Submersible	100%			2025	\$29,200	4	\$4,300
Fixtures								
	Generic	100%						
Fire Suppression								
Standpipe	Generic	100%			2035	**	1-5	\$900
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 34th Street Side Wall</i>								
<i>Explanation : Connection</i>								
Sprinkler								
	No Component	80%						
	Generic	20%			2035	**	1-2	\$100
Chemical System								
	Generic	100%			2023	\$1,900	1-3	\$3,700

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292
Address : HAMMERHEAD AVE.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRMAR6.000 / 14078 **Yr Built/Renovated** : 1893 / 2008
Area Sq Ft : 17,024 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Nov-2016 **Landmark Status** : NONE
Areas Surveyed : Floors 1,2
Block : 2023 **Lot** : 1 **BIN** : 3335122

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Interior Architecture		\$64,800
Electrical		\$44,900
Mechanical		\$557,100
Total		\$666,800
Importance Code A		\$122,700
Importance Code B		\$544,100
Total		\$666,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$46,900		\$1,500	
Interior Architecture	\$65,400	\$1,300	\$900	\$1,100
Electrical	\$1,600	\$1,200	\$1,600	\$2,700
Mechanical	\$22,600	\$3,900	\$4,100	\$4,200
Total	\$136,500	\$6,400	\$8,000	\$8,000
Importance Code A	\$49,300	\$800	\$2,300	\$800
Importance Code B	\$64,000	\$5,500	\$5,000	\$7,100
Importance Code C	\$23,200		\$600	
Total	\$136,500	\$6,400	\$8,000	\$8,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292
Asset # : 14078

Architecture	Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	85%	Now	\$30,800	LIFE	**	5	\$10,200	
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Above Overhead Doors And Various 2nd Floor Windows</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floors</i>								
<i>Explanation : Facility Occupies Only A Portion Of Building Entire</i>								
Metal Coiling Doors	8%			2041	**	5	\$3,000	
Pre-Cast Concrete	7%	Now	\$1,400	LIFE	**	5	\$2,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor South Facing Windows</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Window Sills</i>								
Windows								
Aluminum	25%			2044	**	5	\$100	
Steel	75%	0-2	\$14,600	2053	**	5	\$1,800	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Exterior And Interior Mullions Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Light, Area Affected : 5%</i>								
<i>Location : Shops Area - 1st Floor</i>								
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 1st And 2nd Story Windows</i>								

Interior

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FIRE DEPARTMENT - 057
MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292
Asset # : 14078

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior Floors								
Cast in Place Concrete	45%	Now	\$10,200	LIFE	**	5	\$21,500	
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : First Floor Shop</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Shops / Apparatus Area</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 15%</i>								
<i>Location : Shops / Apparatus Area</i>								
Ceramic Tile	5%	Now	\$2,100	2031	**	5	\$500	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Water Area At Showers And Sinks</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Water Area At Showers And Sinks</i>								
Ceramic Tile	2%			2041	**	5	\$400	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Bathroom</i>								
Quarry Tile	8%			2045	**	5	\$2,600	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Kitchen</i>								
Vinyl Tile	35%	0-2	\$13,000	2028	\$64,800	3	\$2,900	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor - Throughout Offices And Bunk Rooms</i>								
Vinyl Tile 9" X 9"	5%			2023	\$12,000	3	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Areas And Safety Locker Room</i>								
<i>Explanation : 9x9s Installed</i>								

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Estimates are rounded to the nearest hundred dollars.
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FIRE DEPARTMENT - 057
MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292
Asset # : 14078

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	5%	Now	\$1,700	2031	**	5	\$600	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Toilet and shower Rooms</i>								
Ceramic Tile	5%			2041	**	5	\$1,300	
<i>Recent Construction, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Bathrooms And Kitchen</i>								
Concrete Masonry Unit	40%	Now	\$11,200	LIFE	**	5	\$4,100	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Corridors</i>								
Glass: Single Pane	5%			LIFE	**	5	\$1,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Corridor On 2nd Floor</i>								
<i>Explanation : Interior Window Wall</i>								
Gypsum Board	40%	Now	\$4,200	LIFE	**	5	\$6,100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Baseboard Missing - 2nd Floor Corridors</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations Throughout</i>								
Wood	5%			LIFE	**	5	\$10,100	
Ceilings								
AcousTileConcealSpLn	5%	0-2	\$200	2041	**	5	\$700	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Sout Facing Office - 2nd Floor</i>								
AcousTileSusp.Lay-In	35%	Now	\$3,100	2041	**	5	\$3,800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Various Locations Throughout</i>								
Embossed Metal	5%			LIFE	**	5	\$1,000	
Exposed Concrete	55%			LIFE	**	5-10	\$15,000	
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2033	**			
Parking/Driveway								
Asphalt	100%			2037	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2048	**	5	\$100	

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FIRE DEPARTMENT - 057
MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292
Asset # : 14078

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Transformers								
Dry Type	100%			2033	**	5	\$100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Mechanical Room, 2nd Floor</i>						
		<i>Explanation : One 45 Kva 480v Pri - 208/120v Sec</i>						
Raceway								
Conduit	60%			2048	**	1		
Conduit	40%			2038	**	1		
Panelboards								
Fused Disc Sw	5%			2044	**	5		
Fused Disc Sw	5%			2036	**	5		
Molded Case Bkrs	50%			2044	**	5	\$200	
Molded Case Bkrs	40%			2036	**	5	\$200	
Wiring								
Thermoplastic	60%			2048	**	1		
Thermoplastic	40%			2038	**	1		
Motor Controllers								
Locally Mounted	40%			2033	**	5		
Locally Mounted	60%			2041	**	5	\$100	
Ground								
Grounding Devices								
Not Accessible	100%							
Stand-by Power								
Transfer Switches								
Automatic	100%			2041	**	1	\$5,200	
Generators								
Diesel	100%			2037	**	1	\$6,600	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : One 500kw And One 125 Kw Kohler Power System</i>						
Batteries								
Lead/Acid	100%			2022	\$1,500	5	\$600	
Fuel Storage								
Main Tank	100%			2056	**	5	\$500	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Generator Room Outside</i>						
		<i>Explanation : One 240 Gallons For 125 Kw Generator And One 875 Gallons For 500 Kw Generator</i>						
Lighting								

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FIRE DEPARTMENT - 057
MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292
Asset # : 14078

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting								
Fluorescent	70%			2033	**	10	\$10,900	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Storage, 1st And 2nd Floor Offices, Locker Room And Hallway</i>						
Fluorescent	5%			2028	\$2,300	10	\$800	
		<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : 2nd Floor</i>						
HID	15%			2033	**	10	\$100	
LED	10%			2038	**			
Egress Lighting								
Emergency, Service	50%			2033	**	1		
Emergency, Service	5%			2038	**	1		
Emergency, Service	5%			2028	\$400	1		
Exit, Service	40%			2028	\$800	1		
Exterior Lighting								
HID	70%			2028	\$44,900	10		
HID	30%			2038	**	10		
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2038	**	1		
Conversion Equipment								
Hot Water Boiler	100%	0-2	\$2,500	2026	\$122,700	1	\$7,600	
		<i>Malfunctioning, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Boiler Control System</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 2nd Floor Boiler Room</i>						
		<i>Explanation : 6 Boilers Piped With Header</i>						
Distribution								
Hot Wtr Piping/Pump	100%	0-2	\$1,200	2027	\$24,800	4	\$800	
		<i>Corroded, Extent : Moderate, Area Affected : 5%</i>						
		<i>Location : Boiler Room</i>						
Terminal Devices								
Air Handler	70%			2028	\$156,700	1	\$7,400	
Convactor/Radiator	15%			2033	**	1	\$800	
Unit Heater - Steam	15%	Now	\$900	2023	\$8,500	4	\$200	
		<i>Not in Service, Extent : Severe, Area Affected : 10%</i>						
		<i>Location : 1st Floor</i>						
Air Conditioning								
Energy Source								
Electricity	100%			2036	**	1		

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FIRE DEPARTMENT - 057
MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292
Asset # : 14078

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Interior Pkg Unit - Cooling	40%	Now	\$11,900	2026	\$238,100	2	\$300
		<i>Broken, Extent : Severe, Area Affected : 5%</i> <i>Location : Fresh Air Louvers</i> <i>Not in Service, Extent : Moderate, Area Affected : 5%</i> <i>Location : Temp. Controller</i> <i>R-22 Refrigerant, Extent : Light, Area Affected : 40%</i> <i>Location : 2nd Floor</i> <i>Other Observation, Extent : Moderate, Area Affected : 5%</i> <i>Location : 3 Units, Mechanical Room On 2nd Floor</i> <i>Explanation : Filters Are Required</i>						
	Split Unit	30%			2036	**		
		<i>Other Observation, Extent : Light, Area Affected : 30%</i> <i>Location : 1st Floor Machine Shop</i> <i>Explanation : 3 Units. R-410a</i>						
	Window/Wall Unit	10%			2023	\$3,300	1	
	No Component	20%						
Terminal Devices								
	Fan Coil - 2 Pipe	30%			2036	**	1	\$1,700
	No Component	70%						
Heat Rejection								
	Evaporative Condenser	30%			2036	**	2	\$3,600
	No Component	70%						
Ventilation								
Distribution								
	Ductwork/Diffusers	70%			LIFE	**	2-5	\$10,500
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i> <i>Location : 1st Floor Garage</i> <i>Explanation : Serves Garage Only</i>						
	No Component	30%						
Exhaust Fans								
	Interior	70%			2028	\$39,600	2	\$400
	Wall Unit	30%			2028	\$1,700	2	\$200
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2038	**	1	
Water Heater								
	Electric	100%			2027	\$14,000	4	\$200
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Backflow Preventer								
	Not Accessible	100%						

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FIRE DEPARTMENT - 057
MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292
Asset # : 14078

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing	Fixtures							
	Generic	100%						
<i>Obsolete Fixtures, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen And Bathrooms</i>								
Fire Suppression	Standpipe							
	Generic	100%			2048	* *	1-5	\$8,600
	Sprinkler							
	Generic	100%			2038	* *	1-2	\$4,800
	Fire Pump							
	Not Accessible	100%						
	Chemical System							
	Generic	100%			2023	\$1,900	1-3	\$4,000

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : MARINE 9 RESPONSE UNIT
Address : FRONT AND WAVE STREETS @ WATERFRONT
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRMAR9.000 / 14079 **Yr Built/Renovated** : 2011 /
Area Sq Ft : 8,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Nov-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 487 **Lot** : 100 **BIN** :

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$36,500
Total		\$36,500
Importance Code A		\$36,500
Total		\$36,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$13,200		\$19,700	
Interior Architecture	\$32,800		\$8,200	\$4,600
Electrical	\$2,500	\$1,400	\$1,500	\$1,300
Mechanical	\$3,000	\$600	\$1,000	\$600
Total	\$51,400	\$2,100	\$30,400	\$6,500
Importance Code A	\$13,300		\$19,800	
Importance Code B	\$19,700	\$2,100	\$10,600	\$4,200
Importance Code C	\$18,500			\$2,300
Total	\$51,400	\$2,100	\$30,400	\$6,500



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
MARINE 9 RESPONSE UNIT
Asset # : 14079

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast in Place Concrete	5%			LIFE	**	5	\$12,200	
Concrete Masonry Unit	30%			LIFE	**	5	\$9,100	
Metal Panel	30%			2048	**	5-10	\$50,200	
Metal Sect. OHD	5%			2041	**	5	\$3,800	
Window Wall	30%			2048	**	5	\$27,400	
Windows								
Aluminum	100%	Now	\$2,500	2044	**	5	\$600	
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Bunk Room And Gymnasium</i>								
Parapets								
Metal Rail	90%			2041	**	5-10	\$28,100	
Metal: Cage/Fence	10%			2041	**	5-10	\$1,300	
Roof								
Not Accessible	100%							
Interior								
Floors								
Cast in Place Concrete	15%	Now	\$2,800	LIFE	**	5	\$5,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Garage</i>								
Ceramic Tile	25%			2037	**	5	\$4,500	
Panel/Paver: Cer/Brk	30%			2044	**	5	\$12,200	
Sheet Vinyl/Rubber	5%			2033	**	5	\$1,400	
Vinyl Tile	25%			2033	**	3	\$1,700	
Interior Walls								
Ceramic Tile	25%			2037	**	5	\$4,700	
Gypsum Board	35%			LIFE	**	5-10	\$11,200	
Wood	15%			LIFE	**	5	\$22,500	
No Component	25%							
Ceilings								
AcousTileSusp.Lay-In	85%			2041	**	5	\$15,300	
Exposed Struc: Steel	15%			LIFE	**	10	\$5,400	
Site Enclosure								
Fence/Gates								
Chain link	100%			2048	**			
Site Pavements								
Parking/Driveway								
Cast in Place Concrete	100%			2041	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Over 600 Volts

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FIRE DEPARTMENT - 057
MARINE 9 RESPONSE UNIT
Asset # : 14079

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Over 600 Volts								
Service Equipment Fused Disc Sw	100%			2054	**	3		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 600 Amperes, 13.8kv</i>								
Transformers Dry Type	100%			2045	**	3		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 1-750kva, 4160v/480/277volts, 1-750kva, 13.2kv/480/277volts</i>								
Feeders Cable	100%			2050	**	1		
Raceway Conduit	100%			2054	**	1		
Under 600 Volts								
Service Equipment Molded Case Bkrs	100%			2054	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated @ 800 Amperes.</i>								
Transformers Dry Type	100%			2045	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room, And Outside</i>								
<i>Explanation : Three 112.5 Kva, 480/208/120volts And 30kva, 45kva 480/208/120 Volts</i>								
Switchgear / Switchboard Molded Case Bkrs	100%			2054	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : 1- Vertical Section</i>								
Raceway Conduit	100%			2054	**	1		
Panelboards Fused Disc Sw	15%			2050	**	5		
Molded Case Bkrs	85%			2050	**	5	\$200	
Wiring Thermoplastic	100%			2054	**	1		
Motor Controllers Locally Mounted	100%			2045	**	5	\$100	
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Water Main Room</i>								
<i>Explanation : Connected To Metal Water Pipe</i>								
Stand-by Power								

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FIRE DEPARTMENT - 057
MARINE 9 RESPONSE UNIT
Asset # : 14079

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Stand-by Power								
	Transfer Switches							
	Automatic	100%			2045	**	1	\$2,500
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Outside</i>					
			<i>Explanation : Rated @ 1200 Amperes , Eaton Atc-300</i>					
Generators								
	Diesel	100%			2041	**	1	\$3,100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Outside</i>					
			<i>Explanation : Emergency Generator Rated @ 562.5kva Or 450kw</i>					
Batteries								
	Nickel Cadmium	100%			2023	\$1,500	5	\$1,800
Fuel Storage								
	Main Tank	100%			2063	**	5	\$200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Outside</i>					
			<i>Explanation : 800 Gallons Rated Capacity</i>					
Lighting								
	Interior Lighting							
	Fluorescent	90%			2036	**	10	\$6,600
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
			<i>Explanation : T-8 Lamps, Equipped With Occupancy Sensors</i>					
	Fluorescent	10%			2036	**	10	\$700
			<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Hallways</i>					
Egress Lighting								
	Emergency, Service	40%			2036	**	1	
	Emergency, Battery	30%			2036	**	10	\$600
	Exit, LED	30%			2063	**	1	
Exterior Lighting								
	Fluorescent	50%			2036	**	10	\$400
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Perimeter Of The Building</i>					
			<i>Explanation : 17 CFL (Compact Fluorescent Light Fixtures)</i>					
	Fluorescent	50%			2036	**	10	\$400
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Outside</i>					
			<i>Explanation : 17 Fluorescent Fixtures With T-8 Lamps</i>					
Alarm								
	Security System							
	Generic	100%			2036	**	1	\$3,000
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Inside And Outside</i>					
			<i>Explanation : 9 CCTV Surveillance Cameras</i>					

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FIRE DEPARTMENT - 057
MARINE 9 RESPONSE UNIT
Asset # : 14079

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Fire/Smoke Detection
Generic, Digital

100% 2036 * * 1-3 \$4,900

Other Observation, Extent : Light, Area Affected : 100%

Location : Throughout The Building

Explanation : Smoke Detectors, Heat Detector, Manual Pull Station, Alarm Bells And Horns

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Electricity

40% 2054 * * 1

Solar Panel(s)

60% 2054 * * 2 \$300

Terminal Devices

Fan Coil Unit/Heat

20% 2036 * * 1 \$500

Other Observation, Extent : Light, Area Affected : 20%

Location : 1st Floor Garage

Explanation : Electric Fan Coil Unit Heater.

No Component

80%

Air Conditioning

Energy Source

Electricity

100% 2053 * * 1

Conversion Equipment

Ext Pkg Unit - Heating/Cooling

100% 2036 * * 2 \$500

Other Observation, Extent : Light, Area Affected : 100%

Location : Roof

Explanation : 3 Roof Top Units With Refrigerant R- 410a

Ventilation

Distribution

Ductwork/Diffusers

100% LIFE * * 2-5 \$7,100

Exhaust Fans

Roof

15% 2036 * * 2

No Component

85%

Other Observation, Extent : Light, Area Affected : 0%

Location : Roof

Explanation : Process Is Carried Out Through A C System

Plumbing

H/C Water Piping

Brass/Copper

100% 2054 * * 1

Water Heater

Electric

100% 2027 \$6,600 4 \$100

Other Observation, Extent : Light, Area Affected : 100%

Location : First Floor Mechanical Room

Explanation : 2 Units - Hot Water Solar Panels Are Used To Heat The Water

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FIRE DEPARTMENT - 057
MARINE 9 RESPONSE UNIT
Asset # : 14079

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Backflow Preventer							
	Generic	100%			2036	**	1	\$500
	Fixtures							
	Generic	100%						
Fire Suppression								
	Sprinkler							
	Generic	100%			2058	**	1-2	\$2,200
	Chemical System							
	No Component	80%						
	Generic	10%			2027	\$200	1-3	\$400
	Generic	10%			2028	\$200	1-3	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : RESCUE 1
Address : 530 WEST 43rd STREET BTWN 10TH AVE. - 11TH AVE.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSRES.001 / 13227 **Yr Built/Renovated** : 1988 /
Area Sq Ft : 6,700 **Project Type** : FIRE DEPARTMENT
Date of Survey : 01-Apr-2013 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,3
Block : 1071 **Lot** : 49 **BIN** : 1070109

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Electrical		\$65,700
Mechanical	\$48,300	
Total	\$48,300	\$65,700
Importance Code A	\$48,300	
Importance Code B		\$65,700
Total	\$48,300	\$65,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$45,400			
Interior Architecture	\$57,900			\$400
Electrical	\$3,100	\$500	\$500	\$600
Mechanical	\$6,400	\$2,100	\$1,500	\$5,700
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$116,700	\$6,600	\$5,900	\$10,600
Importance Code A	\$45,400	\$300	\$300	\$300
Importance Code B	\$52,300	\$6,200	\$5,600	\$10,300
Importance Code C	\$18,900			
Total	\$116,700	\$6,600	\$5,900	\$10,600



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
RESCUE 1
Asset # : 13227

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	25%			LIFE	**	5	\$6,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	70%			LIFE	**	5	\$14,200	
Wood Overhead Doors	5%	0-2	\$4,300	2037	**	5	\$3,400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Windows								
Steel	100%	0-2	\$9,400	2040	**	5	\$3,700	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	80%	0-2	\$18,500	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	15%	Now	\$700	LIFE	**	5	\$400	
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Open Joint At Rear Parapet</i>								
Metal Cornice	5%	0-2	\$300	2052	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Roof								
IRMA/Protected Membrane	95%	0-2	\$10,600	2029	**			
Skylight, Plastic	5%	0-2	\$1,600	2037	**	1		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	35%	2-4	\$3,600	LIFE	**	5	\$7,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	15%	0-2	\$2,900	2033	**	5	\$800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Quarry Tile	10%	2-4	\$1,400	2037	**	5	\$800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Sheet Vinyl/Rubber	10%	2-4	\$3,000	2029	**	5	\$800	
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	30%	2-4	\$2,600	2029	**	3	\$1,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
RESCUE 1
Asset # : 13227

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Interior

Interior Walls

Ceramic Tile	15%	2-4	\$2,700	2033	**	5	\$1,000	
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Cracking/Crumbling, Extent : Light, Area Affected : 20%
Location : Throughout

Concrete Masonry Unit	50%	2-4	\$7,300	LIFE	**	5	\$2,600	
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Cracking/Crumbling, Extent : Light, Area Affected : 20%
Location : Throughout

SGFT/Glazed Masonry	35%	2-4	\$8,900	LIFE	**			
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Cracking/Crumbling, Extent : Light, Area Affected : 20%
Location : Throughout

Ceilings

AcousTileSusp.Lay-In	25%	2-4	\$2,000	2037	**	5	\$1,300	
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Cracking/Crumbling, Extent : Light, Area Affected : 20%
Location : Throughout

Gypsum Board	5%			LIFE	**	5	\$600	
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Metal Panel	70%	0-2	\$23,400	LIFE	**	5	\$8,800	
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Broken/Missing Elements, Extent : Light, Area Affected : 10%
Location : Throughout

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2037	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2044	**	5	\$200	
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Other Observation, Extent : Moderate, Area Affected : 100%
Location : Basement Service Room
Explanation : 600 Amperes Gfi Main Breaker

Switchgear / Switchboard

Molded Case Bkrs	100%			2034	**	5	\$200	
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Raceway

Conduit	100%			2034	**	1		
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Panelboards

Molded Case Bkrs	100%			2032	**	5	\$200	
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Wiring

Thermoplastic	100%			2034	**	1		
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Motor Controllers

Locally Mounted	100%			2029	**	5		
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Other Observation, Extent : Moderate, Area Affected : 100%
Location : Basement Boiler Room
Explanation : Controls For Heating System

Ground

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
RESCUE 1
Asset # : 13227

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Ground

Grounding Devices
Generic

100% LIFE * * 5 \$100
Other Observation, Extent : Moderate, Area Affected : 100%
Location : Basement
Explanation : Water Main

Stand-by Power

Transfer Switches
Automatic

100% 2029 * * 1 \$2,100
Other Observation, Extent : Moderate, Area Affected : 100%
Location : Basement, Near Service
Explanation : Kohler Ats

Generators

Diesel

100% 2027 \$65,700 1 \$2,600

Batteries

Lead/Acid

100% 2019 \$1,500 5 \$200

Fuel Storage

Main Tank

100% 2039 * * 5 \$200
Other Observation, Extent : Moderate, Area Affected : 100%
Location : Outside Of Building
Explanation : Fully Intergrated Tank

Lighting

Interior Lighting
Fluorescent

100% 2024 \$18,200 10 \$6,100
Other Observation, Extent : Moderate, Area Affected : 100%
Location : Throughout
Explanation : T-8 Lamps Installed

Egress Lighting

Exit, Service

100% 2019 \$700 1

Exterior Lighting

HID

100% 2024 \$25,300 10

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source
Natural Gas

100% 2034 * * 1

Conversion Equipment

Hot Water Boiler

100% Now \$48,300 2044 * * 1 \$3,000
Malfunctioning, Extent : Moderate, Area Affected : 5%
Location : Fresh Air Louver Damper
Obsolete Equipment, Extent : Severe, Area Affected : 100%
Location : Basement
Other Observation, Extent : Light, Area Affected : 100%
Location : Basement
Explanation : 3 Hydro Therm Boilers

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
RESCUE 1
Asset # : 13227

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Hot Wtr Piping/Pump	100%			2032	**	4	\$500	
Terminal Devices								
Convactor/Radiator	75%	Now	\$1,300	2029	**	1	\$1,500	
	<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : Kitchen</i>							
	<i>Explanation : Inadequate Heat</i>							
Unit Heater - Steam	25%			2032	**	4	\$200	
Air Conditioning								
Energy Source								
Electricity	100%			2046	**	1		
Conversion Equipment								
Window/Wall Unit	10%			2019		1	\$1,300	
No Component	90%							
Terminal Devices								
Air Handler/Cool/Ht	90%			2032	**	1	\$3,700	
No Component	10%							
Heat Rejection								
Air Cooled Condenser Unit	90%			2032	**	2	\$4,200	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Roof</i>							
	<i>Explanation : Refrigerant Type 410 A</i>							
No Component	10%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$3,700	
Exhaust Fans								
Interior	50%	Now	\$600	2024	\$11,100	2	\$100	
	<i>On Extended Life, Extent : Moderate, Area Affected : 15%</i>							
	<i>Location : Kitchen</i>							
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2034	**	1		
Water Heater								
Gas Fired	100%			2022	\$3,800	2	\$100	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 1- 75 Gallon Unit</i>							
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

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FIRE DEPARTMENT - 057
RESCUE 1
Asset # : 13227

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Sump Pump(s) Non-Submersible	100%			2024	\$1,000	4	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Pit Dual Pumps</i>								
Fixtures								
Generic	100%							
<i>Obsolete Fixtures, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Vertical Transport								
Elevators								
Hydraulic	100%			LIFE		**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement To First Floor</i>								
<i>Explanation : 1 Unit</i>								
Fire Suppression								
Sprinkler								
No Component	80%							
Generic	20%			2034		**	1-2	\$400
Chemical System								
Dry	10%	Now	\$2,600	2024	\$2,600	1-3	\$300	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Pcl-300, Needs Replacement</i>								
No Component	80%							
Generic	10%			2019	\$200	1-3	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : RESCUE 2 (OLD ENGINE CO. 234)
Address : 1472 BERGEN STREET BTWN TROY AV - SCHENECTADY AV
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSRES.002 / 13228 **Yr Built/Renovated** : 1892 /
Area Sq Ft : 3,975 **Project Type** : FIRE DEPARTMENT
Date of Survey : 18-Mar-2013 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1353 **Lot** : 14 **BIN** : 3035830

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$144,100	
Mechanical		\$62,900
Total	\$144,100	\$62,900
Importance Code A	\$144,100	
Importance Code B		\$62,900
Total	\$144,100	\$62,900

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$31,300	\$300		
Interior Architecture	\$35,300			\$700
Electrical	\$100			\$100
Mechanical	\$5,100	\$600	\$600	\$42,500
Total	\$71,800	\$900	\$600	\$43,300
Importance Code A	\$31,700	\$700	\$400	\$24,400
Importance Code B	\$30,600	\$200	\$200	\$18,900
Importance Code C	\$9,500			
Total	\$71,800	\$900	\$600	\$43,300



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FIRE DEPARTMENT - 057
RESCUE 2 (OLD ENGINE CO. 234)
Asset # : 13228

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$108,200	LIFE	**	5	\$12,000	
<i>Diagonal Cracks, Extent : Severe, Area Affected : 10%</i>								
<i>Location : South Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : South Facade</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	20%			LIFE	**	5	\$3,400	
Masonry: Sandstone	5%			LIFE	**	5	\$600	
Wood Overhead Doors	5%	Now	\$27,000	2044	**	5	\$2,100	
<i>Deteriorated Finish, Extent : Severe, Area Affected : 100%</i>								
<i>Location : North Facade</i>								
<i>Split/Cracked, Extent : Severe, Area Affected : 25%</i>								
<i>Location : North Facade</i>								
Windows								
Aluminum	100%			2040	**	5	\$500	
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$500	LIFE	**	5	\$700	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Coping At Kitchen Parapet</i>								
Masonry: Brick	85%			LIFE	**	5	\$700	
Masonry: Sandstone	5%	Now	\$3,700	LIFE	**	5	\$100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Front Parapet Coping</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Front Parapet Coping</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Front Parapet Coping</i>								
Roof								
Modified Bitumen	100%	0-2	\$35,900	2034	**			
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Upper Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Lower Roof Over Kitchen</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
RESCUE 2 (OLD ENGINE CO. 234)

Asset # : 13228

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	55%	Now	\$6,800	LIFE	**	5	\$7,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	5%			2033	**	5	\$300	
Quarry Tile	5%			2037	**	5	\$400	
Vinyl Tile	30%	Now	\$15,200	2034	**	3	\$700	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Second Floor</i>								
Wood	5%			2039	**	5	\$600	
Interior Walls								
Ceramic Tile	10%			2033	**	5	\$800	
Masonry: Brick	10%	Now	\$6,100	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout Basement, Especially At Column Bases</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout Basement</i>								
Plaster	55%	Now	\$3,500	LIFE	**	5	\$1,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Wood	25%			LIFE	**	5	\$7,800	
Ceilings								
AcousTileSusp.Lay-In	10%			2037	**	5	\$600	
Exposed Struc: Steel	15%			LIFE	**			
Plaster	45%	Now	\$3,500	LIFE	**	5	\$1,700	
<i>Paint Peeling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Wood	30%			LIFE	**	5	\$15,600	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Site Enclosure								
Fence/Gates								
Chain link	100%			2034	**			
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Corrugated Steel And Plywood Panels Have Been Attached Throughout</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
RESCUE 2 (OLD ENGINE CO. 234)
Asset # : 13228

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%			2037	**			
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Parking/Driveway

Asphalt	60%			2033	**			
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Cast in Place Concrete	40%			2037	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2034	**	5		
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Basement**Explanation : Main Service Switch Rated @ 400 Amperes*

Switchgear / Switchboard

Molded Case Bkrs	100%			2034	**	5	\$100	
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Raceway

Conduit	100%			2034	**	1		
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Panelboards

Molded Case Bkrs	100%			2032	**	5	\$100	
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Wiring

Thermoplastic	100%			2034	**	1		
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Motor Controllers

Locally Mounted	100%			2029	**	5		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Lighting

Interior Lighting

Fluorescent	90%			2024	\$9,700	10	\$3,300	
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*T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%**Location : Throughout The Building*

Fluorescent	5%			2024	\$500	10	\$200	
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*T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%**Location : 2nd Floor*

Incandescent	5%			2024	\$1,300	2		
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Egress Lighting

Emergency, Battery	50%			2024	\$2,700	10	\$500	
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Exit, Service	50%			2024	\$200	1		
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Exterior Lighting

HID	100%			2024	\$15,000	10		
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
RESCUE 2 (OLD ENGINE CO. 234)
Asset # : 13228

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2034	**	1		
Conversion Equipment								
Steam Boiler	100%			2022	\$24,100	1	\$3,900	
<i>Obsolete Equipment, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2024	\$62,900	4	\$300	
Terminal Devices								
Convactor/Radiator	90%			2022	\$17,900	1	\$1,200	
Unit Heater - Steam	10%			2019	\$1,300	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2032	**	1		
Conversion Equipment								
Window/Wall Unit	40%			2019	\$3,100	1		
No Component	60%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$400	
No Component	80%							
Exhaust Fans								
Roof	50%			2032	**	2	\$100	
Wall Unit	50%			2032	**	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2034	**	1		
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Explanation : Booster Pump System In Off Position</i>								
Water Heater								
Gas Fired	100%			2023	\$2,300	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 - 74 Gallon Unit</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2019	\$100	4	\$100	
Fixtures								
Generic	100%							

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
RESCUE 2 (OLD ENGINE CO. 234)
Asset # : 13228

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Chemical System							
	No Component	98%						
	Generic	2%			2022		1-3	\$100
<i>Other Observation, Extent : Light, Area Affected : 2%</i> <i>Location : Kitchen</i> <i>Explanation : Kitchen Stove</i>								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : RESCUE 3
Address : 1655 WASHINGTON AVE. @ E.172 - 173 STS
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSRES.003 / 14463 **Yr Built/Renovated** : 2009 /
Area Sq Ft : 19,492 **Project Type** : FIRE DEPARTMENT
Date of Survey : 03-May-2016 **Landmark Status** : NONE
Areas Surveyed : Floors x
Block : 2905 **Lot** : 30 **BIN** : 2817127

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$77,000
Interior Architecture		\$54,200
Total		\$131,300
Importance Code A		\$77,000
Importance Code B		\$54,200
Total		\$131,300

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$7,700			
Interior Architecture	\$16,200	\$2,200		
Electrical	\$2,900	\$1,800	\$1,700	\$3,700
Mechanical	\$4,000	\$2,300	\$3,800	\$1,900
Total	\$30,700	\$6,300	\$5,500	\$5,600
Importance Code A	\$8,600	\$1,000	\$1,000	\$1,000
Importance Code B	\$22,100	\$4,000	\$4,600	\$4,600
Importance Code C		\$1,300		
Total	\$30,700	\$6,300	\$5,500	\$5,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
RESCUE 3
Asset # : 14463

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	2%			LIFE	**	5	\$3,400	
Masonry: Brick	40%			LIFE	**	5	\$13,700	
Metal/Glass Curt Wall	3%			LIFE	**	5	\$1,900	
Metal Panel	45%			2053	**	5-10	\$105,900	
Metal Coiling Doors	10%			2044	**	5	\$10,700	
Windows								
Aluminum	100%			2049	**	5	\$1,200	
Parapets								
Cast in Place Concrete	10%			LIFE	**	5	\$2,500	
Metal Panel	5%			2053	**	5	\$500	
Metal Rail	10%			2044	**	5-10	\$4,400	
No Component	75%							
Roof								
IRMA/Protected Membrane	20%			2035	**	10	\$5,200	
Metal, Corrugated	60%			2044	**	1		
Plaza Roof: Stone Panels	10%			2053	**			
Skylight, Metal/Glass	10%			2053	**	10	\$8,700	
Interior								
Floors								
Cast in Place Concrete	85%	4+	\$5,200	LIFE	**	5	\$54,200	
			<i>Worn/Eroded, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Apparatus Room</i>					
Ceramic Tile	3%			2040	**	5	\$900	
Sheet Vinyl/Rubber	2%			2035	**	5	\$900	
Wood	10%	4+	\$9,600	2062	**	5	\$2,700	
			<i>Worn/Eroded, Extent : Light, Area Affected : 35%</i>					
			<i>Location : Corridors Throughout</i>					
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	5%			2040	**	5	\$2,700	
Concrete Masonry Unit	15%			LIFE	**	5	\$3,200	
Fiberglass Panel	30%			LIFE	**			
Glass: Single Pane	5%			LIFE	**	5	\$2,000	
Gypsum Board	20%			LIFE	**	5	\$6,400	
Masonry: Brick	5%			LIFE	**			
Steel Plate	5%			LIFE	**	5	\$1,600	
Wood	5%			LIFE	**	5	\$10,700	
Ceilings								
AcousTileSusp.Lay-In	10%			2044	**	5	\$2,800	
Exposed Struc: Steel	70%			LIFE	**			
			<i>Other Observation, Extent : Light, Area Affected : 65%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Material Is Actually Metal Decking.</i>					
Gypsum Board	5%			LIFE	**	5	\$1,800	
Metal Panel	15%			LIFE	**	5	\$5,300	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
RESCUE 3
Asset # : 14463

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2053	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated @ 800 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2053	**	5	\$500	
Raceway								
Conduit	100%			2053	**	1		
Panelboards								
Fused Disc Sw	5%			2049	**	5		
Molded Case Bkrs	95%			2049	**	5	\$500	
Wiring								
Thermoplastic	100%			2053	**	1		
Motor Controllers								
Locally Mounted	100%			2044	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$300	
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	**	1	\$6,000	
Generators								
Diesel	100%			2040	**	1	\$7,600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Emergency Generator Rated @ 250kw</i>								
Batteries								
Lead/Acid	100%			2022	\$1,500	5	\$700	
Fuel Storage								
Day Tank	50%			2049	**	5	\$1,800	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 100 Gallons Rated Capacity</i>								
Main Tank	50%			2062	**	5	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 3000 Gallons Rated Capacity</i>								
Lighting								
Interior Lighting								
Fluorescent	95%			2035	**	10	\$17,000	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	5%			2035	**	10	\$900	
<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
RESCUE 3
Asset # : 14463

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Egress Lighting

Emergency, Service

50%

2035

* *

1

Exit, LED

50%

2062

* *

1

Exterior Lighting

Fluorescent

20%

2035

* *

10

\$400

*Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%**Location : Outside*

No Component

80%

Alarm

Fire/Smoke Detection

No Component

70%

Generic, Digital

30%

2035

* *

1-3

\$3,600

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Hallways And Offices**Explanation : Smoke Detectors*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2053

* *

1

Conversion Equipment

Furnace

35%

2035

* *

1

\$3,400

*Other Observation, Extent : Light, Area Affected : 35%**Location : Roof**Explanation : 2 Rtu Package Units*

Hot Water Boiler

65%

2040

* *

1

\$6,300

*Other Observation, Extent : Light, Area Affected : 65%**Location : Basement**Explanation : 1 Boilers*

Distribution

Hot Wtr Piping/Pump

65%

Now

\$900

2049

* *

4

\$600

*Malfunctioning, Extent : Moderate, Area Affected : 5%**Location : Bms System*

No Component

35%

Terminal Devices

Convactor/Radiator

25%

2044

* *

1

\$1,600

Unit Heater - Steam

40%

2035

* *

4

\$1,100

No Component

35%

Air Conditioning

Energy Source

Electricity

100%

2049

* *

1

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
RESCUE 3
Asset # : 14463

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	50%			2035	**	2	\$600
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Package Units. Refrigerant R-410a</i>								
	No Component	50%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$10,900
Exhaust Fans								
	Interior	50%			2035	**	2	\$300
	Roof	50%			2035	**	2	\$300
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2053	**	1	
Water Heater								
	Gas Fired	100%			2026	\$11,100	2	\$300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units About 125 Gallons Each</i>								
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sewage Ejector(s)								
	Electric	100%			2035	**	4	\$1,200
Backflow Preventer								
	Generic	100%			2035	**	1	\$1,200
Fixtures								
	Generic	100%						
Fire Suppression								
Sprinkler								
	No Component	20%						
	Generic	80%			2053	**	1-2	\$4,400
Chemical System								
	Wet	100%			2026	\$2,100	1-3	\$4,200

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : SPECIAL OPERATIONS COMMAND EMS
Address : 750 MAIN STREET ROOSEVELT ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSSPE.000 / 13229 **Yr Built/Renovated** : 1976 /
Area Sq Ft : 6,656 **Project Type** : FIRE DEPARTMENT
Date of Survey : 28-Mar-2013 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 1373 **Lot** : 1 **BIN** : 1083213

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$199,400	
Interior Architecture	\$66,400	
Electrical	\$65,700	
Mechanical	\$110,300	
Total	\$441,900	
Importance Code A	\$309,700	
Importance Code B	\$132,200	
Total	\$441,900	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$700			\$2,400
Interior Architecture	\$12,600			\$700
Electrical	\$52,100	\$500	\$500	\$21,200
Mechanical	\$11,500	\$100	\$800	\$5,600
Total	\$76,900	\$500	\$1,300	\$29,900
Importance Code A	\$700		\$600	\$2,400
Importance Code B	\$76,200	\$500	\$700	\$27,100
Importance Code C				\$400
Total	\$76,900	\$500	\$1,300	\$29,900



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FIRE DEPARTMENT - 057
SPECIAL OPERATIONS COMMAND EMS
Asset # : 13229

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Concrete Masonry Unit	70%	Now	\$109,500	LIFE	**	5	\$4,200	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Sides And Rear</i>								
Metal Panel	20%	Now	\$700	2044	**	5	\$3,600	1
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Entrance, West Side</i>								
Wood Overhead Doors	10%			2037	**	5	\$4,800	
Windows								
Aluminum	100%	Now	\$89,900	2049	**	5	\$1,100	
<i>Crwt/Balnc Not Funct, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Not Accessible	100%							
Roof								
Not Accessible	100%							
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	**	5	\$13,100	
Ceramic Tile	5%	0-2	\$500	2033	**	5	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Quarry Tile	5%	0-2	\$700	2037	**	5	\$400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	30%	Now	\$10,100	2034	**	3	\$1,100	
<i>Adhesion Failure, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Mezzanine</i>								

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SPECIAL OPERATIONS COMMAND EMS
Asset # : 13229

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Interior Walls

Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	5%			2027	\$19,900	5	\$700	
Concrete Masonry Unit	50%			LIFE	**	5	\$2,900	
Plywood/Hardboard	5%			LIFE	**			
SGFT/Glazed Masonry	30%			LIFE	**			

Ceilings

AcousTileConcealSpLn	30%	0-2	\$1,200	2029	**	5	\$1,900	
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Cracking/Crumbling, Extent : Light, Area Affected : 10%

Location : Throughout

Exposed Concrete	20%			LIFE	**	5	\$300	
Gypsum Board	10%			LIFE	**	5	\$1,200	
Metal Panel	40%	Now	\$66,400	LIFE	**	5	\$5,000	

Bent/Warped Elements, Extent : Severe, Area Affected : 60%

Location : Throughout Apparatus Room And Lounge

Broken/Missing Elements, Extent : Severe, Area Affected : 10%

Location : Apparatus Room And Lounge

Deformed/Dented, Extent : Severe, Area Affected : 30%

Location : Throughout Apparatus Room And Lounge

Other Observation, Extent : Severe, Area Affected : 100%

Location : Apparatus Room And Lounge

Explanation : Ceiling Panels Are At The End Of Their Useful Life

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2037	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2044	**	5		
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Basement Service Room

Explanation : 2- 400 Amperes Service Switches

Transformers

Dry Type	100%			2022	\$15,800	5		
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Basement Service Room

Explanation : 1- 225 Kva Unit - Very Noisy

Switchgear / Switchboard

Fused Disc Sw	100%			2034	**	5		
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Raceway

Conduit	100%			2034	**	1		
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Panelboards

Molded Case Bkrs	100%			2032	**	5	\$200	
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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
SPECIAL OPERATIONS COMMAND EMS
Asset # : 13229

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Wiring								
	Braided Cloth	5%			2023	\$1,400	1	
	Thermoplastic	95%			2034	**	1	
Motor Controllers								
	Locally Mounted	90%			2029	**	5	
	Motor Control Center	10%			2029	**	5	
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$100
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Water Meter Room</i>								
<i>Explanation : Ground Connection</i>								
Stand-by Power								
Transfer Switches								
	Automatic	100%			2022	\$4,800	1	\$2,100
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Service Room</i>								
<i>Explanation : Zenith Type Switch</i>								
Generators								
	Diesel	100%			2020	\$65,700	1	\$2,600
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Rear Generator Room</i>								
<i>Explanation : 225 Kva Kohler Unit</i>								
Batteries								
	Lead/Acid	100%			2019	\$1,500	5	\$200
Fuel Storage								
	Day Tank	100%			2023	\$500	5	\$1,200
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : 60 Gallon Tank</i>								
Lighting								
Interior Lighting								
	Fluorescent	100%			2019	\$18,000	10	\$6,100
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-12 Fixtures Installed</i>								
Egress Lighting								
	Exit, Service	100%			2019	\$700	1	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Main Power Lights</i>								
Exterior Lighting								
	HID	100%			2019	\$25,100	10	

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SPECIAL OPERATIONS COMMAND EMS
Asset # : 13229

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Electricity	100%			2044	**	1		
Conversion Equipment								
Radiant Heater	100%	Now	\$110,300	2034	**	2	\$2,500	
<i>Not in Service, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floor</i>								
<i>Explanation : 10 Electric Heaters</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2032	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling Window/Wall Unit	10%			2029	**	2		
	60%	Now	\$7,800	2024	\$7,800	1		
<i>Broken, Extent : Light, Area Affected : 100%</i>								
<i>Location : Offices</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floors</i>								
<i>Explanation : Friedrich Window A C Units</i>								
No Component	30%							
Ventilation								
Distribution								
Ductwork/Diffusers	30%			LIFE	**	2-5	\$1,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Mechanical Room</i>								
<i>Explanation : Trane Ceiling Cabinet Fan</i>								
No Component	70%							
Exhaust Fans								
Roof	100%			2024	\$10,300	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2034	**	1		
Water Heater								
Electric	100%	Now	\$300	2022	\$5,500	4		
<i>Malfunctioning, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Hot Water Heaters</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : 1st Floor Mechanical Room</i>								
<i>Explanation : (2) Domestic Water Heaters Anguard Co And Turbosandblaster, 120 Gallons Each</i>								
Sanitary Piping								
Cast Iron	100%	Now	\$2,300	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SPECIAL OPERATIONS COMMAND EMS
Asset # : 13229

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component	% of	Fail Date	Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost
Type	Total	(Years)			FY		(Yrs)	
Plumbing								
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Non-Submersible	100%	Now	\$900	2034	**	4	\$100
			<i>Obsolete Equipment, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
Fixtures								
	Generic	100%						
Fire Suppression								
	Chemical System							
	No Component	90%						
	Generic	10%			2019	\$200	1-3	\$400
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Fire Extinguishers</i>					

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : SQUAD 1
Address : 788 UNION STREET BTWN 6TH AVE - 7TH AVE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSSQU.001 / 13230 **Yr Built/Renovated** : 1907 /
Area Sq Ft : 5,708 **Project Type** : FIRE DEPARTMENT
Date of Survey : 13-Mar-2013 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 957 **Lot** : 23 **BIN** : 3020193

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Interior Architecture	\$83,100	
Electrical		\$32,700
Total	\$83,100	\$32,700
Importance Code B		\$32,700
Importance Code C	\$83,100	
Total	\$83,100	\$32,700

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$38,000	\$300		\$4,600
Interior Architecture	\$58,000			\$500
Electrical	\$36,800			\$14,400
Mechanical	\$14,600	\$800	\$900	\$1,200
Total	\$147,400	\$1,100	\$900	\$20,600
Importance Code A	\$39,800	\$800	\$600	\$5,100
Importance Code B	\$99,500	\$200	\$300	\$15,500
Importance Code C	\$8,100			
Total	\$147,400	\$1,100	\$900	\$20,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057

SQUAD 1

Asset # : 13230

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	78%			LIFE	**	5	\$17,900	
Masonry: Granite	2%			LIFE	**	5	\$300	
Masonry: Limestone	10%			LIFE	**	5	\$1,700	
Metal Panel	2%			2044	**	5-10	\$3,100	
Wood Overhead Doors	8%			2037	**	5	\$9,200	
Windows								
Aluminum	90%			2040	**	5	\$500	
Aluminum	10%	Now	\$2,400	2049	**	5		
<i>Crwt/Balnc Not Funct, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Locker Room</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Locker Room</i>								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$2,700	
Masonry: Brick	80%			LIFE	**	5	\$1,400	
Roof								
Modified Bitumen	90%	Now	\$2,800	2024			\$28,300	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Over Locker Room</i>								
Skylight, Metal/Glass	10%	Now	\$31,900	2044	**			
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Tv Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Tv Room, 3rd Floor</i>								
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$7,400	
Ceramic Tile	6%			2033	**	5	\$400	
Quarry Tile	5%			2037	**	5	\$600	
Vinyl Tile	22%	Now	\$14,000	2034	**	3	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Wood	22%	Now	\$16,200	2052	**	5	\$1,500	
<i>Deflection Evident, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Stair Case</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Stair Case</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057**SQUAD 1****Asset # : 13230**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	38%	Now	\$39,800	2033	**	5	\$2,400	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 1st Floor Staircase Up</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Staircase To Basement</i>								
Masonry: Brick	22%	4+	\$43,400	LIFE	**			
<i>Paint Peeling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout Basement</i>								
Plaster	40%	4+	\$8,100	LIFE	**	5	\$1,500	
<i>Paint Peeling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 3rd Floor</i>								
Ceilings								
AcousTileSusp.Lay-In	20%	Now	\$13,300	2044	**	5	\$800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Embossed Metal	20%			LIFE	**	5	\$700	
Exposed Struc: Steel	25%			LIFE	**			
Metal Panel	5%			LIFE	**	5	\$500	
Plaster	30%	0-2	\$6,500	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor Next To Pole And 1st Floor Toilet</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 3rd Floor Rear Wall</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2029	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2024	\$4,800	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Amperes Main Disconnect Switch</i>								
Raceway								
Conduit	95%			2024	\$29,700	1		
Conduit	5%			2044	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057**SQUAD 1****Asset # : 13230**

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Fused Disc Sw	5%			2023	\$1,900	5		
Molded Case Bkrs	85%			2023	\$32,700	5	\$100	
Molded Case Bkrs	10%			2040	**	5		
Wiring								
Thermoplastic	90%			2024	\$24,900	1		
Thermoplastic	10%			2044	**	1		
Motor Controllers								
Locally Mounted	100%			2022	\$14,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	50%			2024	\$7,700	10	\$2,600	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement And 1st Floor</i>						
		<i>Explanation : T-8 Lamps</i>						
Fluorescent	50%			2019	\$7,700	10	\$2,600	
		<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : 2nd And 3rd Floors</i>						
Egress Lighting								
Emergency, Battery	50%			2019	\$3,800	10	\$700	
Exit, Service	50%			2019	\$300	1		
Exterior Lighting								
HID	100%			2019	\$21,500	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2050	**	1		
Conversion Equipment								
Steam Boiler	100%	Now	\$1,700	2037	**	1	\$5,100	
		<i>Malfunctioning, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : Boiler Control System</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Boiler Room</i>						
		<i>Explanation : One Unit</i>						
Distribution								
Central Plant Steam Piping/Pmp	100%			2050	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2037	**	1	\$1,800	

Air Conditioning

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SQUAD 1
Asset # : 13230

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Energy Source								
Electricity	100%			2046	**	1		
Conversion Equipment								
Window/Wall Unit	80%			2019	\$8,900	1		
No Component	20%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$300	
No Component	90%							
Exhaust Fans								
Roof	10%	Now	\$900	2034	**	2		
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
No Component	90%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2044	**	1		
Water Heater								
Gas Fired	100%			2023	\$3,300	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 - 74 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2019	\$200	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Dry	10%	Now	\$2,600	2024	\$2,600	1-3	\$300	
<i>Not in Service, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Obsolete Unit - Kitchen</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Model Rg-2.5g</i>								
No Component	80%							
Generic	10%			2022	\$200	1-3	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : SQUAD 18
Address : 132 WEST 10TH STREET
Borough : MANHATTAN
Program / Asset # : FIRSSQU.018 / 14075
Area Sq Ft : 7,107
Date of Survey : 15-Jun-2015
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 610 **Lot** : 51 **BIN** : 1010686
Agency's Number : N/A
Yr Built/Renovated : 1892 / 2001
Project Type : FIRE DEPARTMENT
Landmark Status : NONE

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$38,000
Electrical		\$38,500
Total		\$76,500
Importance Code A		\$38,000
Importance Code B		\$38,500
Total		\$76,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$9,100			\$8,200
Interior Architecture	\$32,500		\$3,000	\$700
Electrical		\$100	\$24,500	
Mechanical	\$17,700	\$1,100	\$1,000	\$900
Site Pavements	\$600			
Total	\$59,900	\$1,200	\$28,500	\$9,800
Importance Code A	\$9,800	\$700	\$700	\$8,900
Importance Code B	\$47,300	\$500	\$27,800	\$1,000
Importance Code C	\$2,800			
Total	\$59,900	\$1,200	\$28,500	\$9,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057

SQUAD 18

Asset # : 14075

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Iron	5%			LIFE	**			
<i>Deteriorated Finish, Extent : Light, Area Affected : 20%</i>								
<i>Location : 1st Floor Front Of Building</i>								
Cast Stone/Terra Cotta	15%			LIFE	**	5	\$38,000	
Masonry: Brick	70%			LIFE	**	5	\$22,700	
Masonry: Granite	5%			LIFE	**	5	\$1,200	
Metal Sect. OHD	5%			2039	**	5	\$5,100	
Windows								
Wood	100%			2042	**	5	\$16,300	
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$2,200	
Masonry: Brick	80%			LIFE	**	5	\$1,100	
Roof								
Asphalt Shingle	10%			2035	**	10	\$100	
Modified Bitumen	90%	Now	\$6,600	2031	**			
<i>Drains Clogged, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Roof</i>								
Interior								
Floors								
Ceramic Tile	15%			2029	**	5	\$1,600	
Quarry Tile	5%	2-4	\$1,500	2039	**	5	\$400	
<i>Worn/Eroded, Extent : Light, Area Affected : 25%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	55%	Now	\$14,900	2036	**	3	\$2,200	
<i>Uneven Surface, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Second Floor</i>								
Wood	25%			2061	**	5	\$5,000	
Interior Walls								
Ceramic Tile	30%			2029	**	5	\$4,400	
Gypsum Board	20%			LIFE	**	5	\$1,800	
Masonry: Brick	50%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	10%			2031	**	5	\$1,100	
Embossed Metal	35%	2-4	\$13,100	LIFE	**	5	\$1,700	
<i>Deformed/Dented, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout Apparatus Room</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout Apparatus Room</i>								
Exposed Struc: Wood	40%			LIFE	**			
Gypsum Board	15%			LIFE	**	5	\$2,000	
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2031	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057**SQUAD 18****Asset # : 14075**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

Parking/Driveway

Cast in Place Concrete	100%	0-2	\$600	2039		**		
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 10%**Location : Front Apron*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2026	\$4,800	5		
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*Enclosure Corroded, Extent : Severe, Area Affected : 20%**Location : Basement Service End Box**Other Observation, Extent : Moderate, Area Affected : 100%**Location : Basement Rear.**Explanation : 1-200 Amperes Switch*

Raceway

Conduit	70%			2026	\$21,900	1		
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Conduit	30%			2036	**	1		
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Panelboards

Molded Case Bkrs	100%			2025	\$38,500	5	\$200	
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Wiring

Thermoplastic	30%			2036	**	1		
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Thermoplastic	70%			2026	\$19,400	1		
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Motor Controllers

Locally Mounted	100%			2031	**	5		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Lighting

Interior Lighting

Fluorescent	95%			2021	\$18,300	10	\$6,200	
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*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%**Location : Throughout*

Incandescent	5%			2026	\$2,300	2		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : 3rd Floor**Explanation : Lounge Area*

Exterior Lighting

Incandescent	30%			2026	\$6,800	2		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : In Front And Rear**Explanation : Controlled Via Timer*

No Component	70%							
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SQUAD 18
Asset # : 14075

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2046	**	1		
Conversion Equipment								
Steam Boiler	100%			2039	**	1	\$7,000	
			<i>Recent Repair Evident, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Basement</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement Mechanical Equipment Room</i>					
			<i>Explanation : Central Heating Plant</i>					
Distribution								
Central Plant Steam Piping/Pmp	100%			2036	**	4	\$500	
Terminal Devices								
Convactor/Radiator	95%			2031	**	1	\$2,200	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st Through 3rd Floors</i>					
			<i>Explanation : One Pipe Steam System</i>					
Unit Heater - Steam	5%	Now	\$1,200	2036	**	4		
			<i>Broken, Extent : Light, Area Affected : 30%</i>					
			<i>Location : 1st Floor</i>					
Air Conditioning								
Energy Source								
Electricity	50%			2034	**	1		
No Component	50%							
Conversion Equipment								
Interior Pkg Unit - Cooling	5%	Now	\$12,400	2031	**	2		
			<i>Abandoned in Place, Extent : Light, Area Affected : 20%</i>					
			<i>Location : 3rd Floor</i>					
Window/Wall Unit	50%	0-2	\$2,100	2025	\$6,900	1		
			<i>Other Observation, Extent : Light, Area Affected : 30%</i>					
			<i>Location : 1st, 2nd And 3rd Floors</i>					
			<i>Explanation : 30 Percent Failure Of Units</i>					
No Component	45%							
Ventilation								
Exhaust Fans								
Roof	100%			2031	**	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2036	**	1		
Water Heater								
Gas Fired	100%			2024	\$4,100	2	\$100	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SQUAD 18
Asset # : 14075

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sanitary Piping Cast Iron	100%	4+	\$1,000	LIFE	**	1	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Explanation : Recent Repair Made In Response To Leaking Was Not A Full Replacement And Future Leakage Is Anticipated</i>								
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Sump Pump(s) Non-Submersible	100%	4+	\$100	2026	\$1,000	4	\$200
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Explanation : Operable</i>								
	Fixtures Generic	100%						
Fire Suppression								
	Fire Pump Not Accessible	100%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : SQUAD 252
Address : 617 CENTRAL AVENUE @ DECATUR ST
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.252 / 13142 **Yr Built/Renovated** : 1899 / 2012
Area Sq Ft : 4,488 **Project Type** : FIRE DEPARTMENT
Date of Survey : 20-Mar-2013 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 3429 **Lot** : 3 **BIN** : 3079480

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Electrical		\$84,800
Total		\$84,800
Importance Code B		\$84,800
Total		\$84,800

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$30,400	\$100		\$500
Interior Architecture	\$19,900			\$1,000
Electrical	\$2,500	\$300	\$300	\$17,400
Mechanical	\$7,600	\$700	\$700	\$4,400
Site Enclosure	\$1,300			
Total	\$61,800	\$1,100	\$1,000	\$23,200
Importance Code A	\$30,800	\$500	\$400	\$1,000
Importance Code B	\$27,000	\$600	\$500	\$22,300
Importance Code C	\$3,900			
Total	\$61,800	\$1,100	\$1,000	\$23,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SQUAD 252
Asset # : 13142

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	2%			2044	**	10		
Masonry: Brick	73%	Now	\$9,800	LIFE	**	5	\$3,000	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Front Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Front Facade</i>								
<i>Recent Repair Evident, Extent : Light, Area Affected : 30%</i>								
<i>Location : Rear Facade</i>								
Masonry: Brownstone	10%	0-2	\$4,200	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Facade</i>								
Masonry: Sandstone	10%	0-2	\$15,300	LIFE	**	5	\$300	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Facade</i>								
Wood Overhead Doors	5%			2037	**	5	\$1,000	
Windows								
Aluminum	60%			2040	**	5	\$100	
Wood	40%	0-2	\$100	2040	**	5	\$400	
<i>Air Infiltration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$800	
Cast Stone/Terra Cotta	15%			LIFE	**	5	\$2,500	
Masonry: Brick	80%			LIFE	**	5	\$1,700	
Roof								
Asphalt Shingle	5%			2033	**	10		
Built-Up (BUR)	85%	Now	\$1,000	2029	**			
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Metal Panel	10%			2037	**	10	\$800	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Metal Is Formed And Colored To Replicate Clay Tiles</i>								
Interior								
Floors								
Cast in Place Concrete	30%			LIFE	**	5	\$4,200	
Ceramic Tile	5%			2033	**	5	\$300	
Quarry Tile	5%	0-2	\$500	2037	**	5	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	60%	Now	\$1,800	2029	**	3	\$1,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SQUAD 252
Asset # : 13142

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	5%			2033	**	5	\$100	
Ceramic Tile	5%			2039	**	5	\$100	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Gypsum Board	5%			LIFE	**	5	\$100	
Masonry: Brick	30%			LIFE	**			
Plaster	20%	0-2	\$500	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
SGFT/Glazed Masonry	35%	0-2	\$2,100	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceilings								
AcousTileSusp.Lay-In	15%			2037	**	5	\$1,000	
Embossed Metal	45%	Now	\$13,700	LIFE	**	5	\$1,300	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
Exposed Struc: Steel	25%			LIFE	**			
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Plaster	15%	0-2	\$1,400	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Site Enclosure								
Fence/Gates								
Chain link	50%			2044	**			
Wood	50%	0-2	\$1,300	2025	\$13,000			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2029	**			
Parking/Driveway								
Asphalt	80%			2033	**			
Cast in Place Concrete	20%			2037	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
SQUAD 252
Asset # : 13142

Electrical	Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2024	\$5,300	5		
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 200 Amperes Main Disconnect Switch</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2024	\$53,300	5	\$100	
Raceway								
Conduit	90%			2024	\$30,800	1		
Conduit	10%			2044	**	1		
Panelboards								
Fused Disc Sw	5%			2023	\$2,100	5		
Molded Case Bkrs	75%			2023	\$31,500	5	\$100	
Molded Case Bkrs	20%			2040	**	5		
Wiring								
Thermoplastic	90%			2024	\$27,200	1		
Thermoplastic	10%			2044	**	1		
Motor Controllers								
Locally Mounted	100%			2022	\$15,700	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	**	1	\$1,400	
Generators								
Diesel	100%			2039	**	1	\$1,700	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Generator, Outside</i>						
		<i>Explanation : One 62 Kw</i>						
Batteries								
Lead/Acid	100%			2019	\$1,600	5	\$200	
Fuel Storage								
Day Tank	100%			2049	**	5	\$800	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outdoor Generator</i>						
		<i>Explanation : One 165 Gallons</i>						
Lighting								

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FIRE DEPARTMENT - 057
SQUAD 252
Asset # : 13142

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	30%			2032	**	10	\$1,200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	3%			2032	**	10	\$100	
<i>T-5 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Waiting Room</i>								
Fluorescent	67%			2024	\$8,900	10	\$2,800	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Egress Lighting								
Emergency, Service	50%			2032	**	1		
Emergency, Service	20%			2024	\$500	1		
Exit, Service	30%			2024	\$200	1		
Exterior Lighting								
HID	100%			2024	\$18,500	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2044	**	1		
Conversion Equipment Steam Boiler	100%			2041	**	1	\$4,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution Central Plant Steam Piping/Pmp	100%			2044	**	4	\$300	
Terminal Devices Convactor/Radiator	100%	Now	\$1,200	2029	**	1	\$1,300	
<i>Leak Evident, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 3rd Floor Bath Room</i>								
Air Conditioning								
Energy Source Electricity	100%			2040	**	1		
Conversion Equipment Window/Wall Unit	60%			2019	\$5,700	1		
Window/Wall Unit	10%			2022	\$1,000	1		
No Component	30%							
Ventilation								

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FIRE DEPARTMENT - 057
SQUAD 252
Asset # : 13142

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation									
Distribution									
	Ductwork/Diffusers	20%			LIFE	* *	2-5	\$500	
	No Component	80%							
Exhaust Fans									
	Roof	20%			2029	* *	2		
	No Component	80%							
Plumbing									
H/C Water Piping									
	Brass/Copper	100%			2050	* *	1		
				<i>No Water Meter, Extent : Light, Area Affected : 100%</i>					
				<i>Location : Basement</i>					
Water Heater									
	Gas Fired	100%			2022	\$2,800	2	\$100	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
				<i>Location : Basement</i>					
				<i>Explanation : 2 - 74 Gallon Units</i>					
Sanitary Piping									
	Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping									
	Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)									
	Submersible	100%			2019	\$200	4	\$100	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
				<i>Location : Basement</i>					
				<i>Explanation : 2 Sets</i>					
Fixtures									
	Generic	100%							
Fire Suppression									
Chemical System									
	No Component	98%							
	Generic	2%			2022		1-3	\$100	
				<i>Other Observation, Extent : Light, Area Affected : 2%</i>					
				<i>Location : 1st Floor Kitchen</i>					
				<i>Explanation : Over Stove</i>					

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : SQUAD 270
Address : 91-45 121ST STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSSQU.270 / 14076 **Yr Built/Renovated** : 1913 / 2016
Area Sq Ft : 16,052 **Project Type** : FIRE DEPARTMENT
Date of Survey : 15-Nov-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 9375 **Lot** : 7 **BIN** : 4196913

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$203,200	
Interior Architecture	\$280,300	
Electrical		\$103,800
Mechanical		\$101,600
Total	\$483,400	\$205,400
Importance Code A	\$203,200	
Importance Code B	\$280,300	\$205,400
Total	\$483,400	\$205,400

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$47,800		\$1,600	
Interior Architecture	\$86,100	\$500	\$500	\$1,500
Electrical	\$4,400	\$2,700	\$4,500	\$2,800
Mechanical	\$4,600	\$2,200	\$10,500	\$2,200
Total	\$142,900	\$5,400	\$17,100	\$6,400
Importance Code A	\$49,400	\$1,400	\$3,200	\$1,400
Importance Code B	\$50,500	\$3,900	\$13,900	\$4,600
Importance Code C	\$43,000			\$400
Total	\$142,900	\$5,400	\$17,100	\$6,400



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SQUAD 270
Asset # : 14076

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	82%	Now	\$203,200	LIFE	**	5	\$13,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : North And South And East Facades, Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 75%</i>								
<i>Location : North And South And East Facades, Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 40%</i>								
<i>Location : North And South And East Facades, Throughout</i>								
Masonry: Granite	5%	Now	\$9,700	LIFE	**	5	\$600	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : West Facade</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West Facade</i>								
Masonry: Limestone	5%	Now	\$4,500	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West Facade</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : West Facade</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : West Facades</i>								
Wood Overhead Doors	4%			2048	**	5	\$3,300	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : West facade</i>								
Wood Overhead Doors	4%			2041	**	5	\$3,300	
Windows								
Aluminum	100%	Now	\$13,200	2044	**	5	\$1,600	
<i>Air Infiltration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	18%	Now	\$15,600	LIFE	**	5	\$300	
<i>Water Penetration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Set Back Roof, Back Of Building.</i>								
Metal Panel	5%			2048	**	5	\$300	
Metal Panel	2%			2038	**	5	\$100	
Not Accessible	70%							
Not Accessible	5%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : 3rd Floor Roof</i>								
<i>Explanation : No Access To 3rd Floor Roof.</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SQUAD 270
Asset # : 14076

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Modified Bitumen	20%	Now	\$4,800	2028	\$16,000			
<i>Blisters, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Set Back Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Set Back Roof</i>								
Not Accessible	80%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : 3rd Floor Roof, Main Roof</i>								
<i>Explanation : No Access To 3rd Floor Roof.</i>								
Interior								
Floors								
Cast in Place Concrete	35%	Now	\$87,300	LIFE	**	5	\$18,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Apparatus Floor</i>								
<i>Deflection Evident, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	5%			2037	**	5	\$1,200	
Quarry Tile	2%			2048	**	5	\$700	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Division 13</i>								
Quarry Tile	3%			2041	**	5	\$1,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Squad 270</i>								
<i>Explanation : 1st Floor Squad 270</i>								
Vinyl Tile	15%	Now	\$30,600	2038	**	3	\$1,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : First And Third Floor, Distric Offic 13.</i>								
Vinyl Tile	15%			2038	**	3	\$1,400	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd And 3rd Floor Division 13</i>								
Under Construction	25%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : 1st And 2nd Floor Squad 270</i>								
<i>Explanation : 1st And 2nd Floor Squad 270</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SQUAD 270
Asset # : 14076

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	5%			2037	**	5	\$800	
Concrete Masonry Unit	5%	Now	\$900	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basment</i>								
Gypsum Board	25%			LIFE	**	5-10	\$6,800	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd And 3rd Floors Division 13</i>								
Masonry: Brick	15%	Now	\$28,000	LIFE	**			
<i>Jnt Mortar Miss/Erod, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basment</i>								
Plaster	25%	Now	\$9,600	LIFE	**	5	\$1,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : First And Third Floor, Distric Offic 13, 1st Floor Squad 270</i>								
Under Construction	25%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : 1st And 2nd Floor Squad 270</i>								
<i>Explanation : 1st And 2nd Floor Squad 270</i>								
Ceilings								
AcousTileSusp.Lay-In	5%			2033	**	5	\$1,200	
AcousTileSusp.Lay-In	25%			2048	**	5	\$6,000	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd And 3rd Floor Division 13</i>								
Exposed Concrete	25%	Now	\$192,900	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Temporary Support Present</i>								
Plaster	20%	Now	\$12,600	LIFE	**	5	\$3,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Third Floor, Distric Offic 13</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Third Floor, Distric Offic 13</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Third Floor, Distric Offic 13</i>								
Under Construction	25%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : 1st And 2nd Floor Squad 270</i>								
<i>Explanation : 1st And 2nd Floor Squad 270</i>								
Site Pavements								
Parking/Driveway								
Cast in Place Concrete	100%			2033	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
SQUAD 270
Asset # : 14076

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Service Equipment								
	Molded Case Bkrs	100%			2028	\$4,800	5	\$400
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement/ Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated @ 500 Amperes.</i>								
<hr/>								
Switchgear / Switchboard								
	Fused Disc Sw	100%			2028	\$48,800	5	\$100
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement / Electrical Room</i>								
<i>Explanation : 1 Vertical Section Only</i>								
<hr/>								
Raceway								
	Conduit	70%			2028	\$21,900	1	
	Conduit	30%			2054	**	1	
<hr/>								
Panelboards								
	Fused Disc Sw	20%			2027	\$7,700	5	\$100
	Molded Case Bkrs	50%			2027	\$19,200	5	\$200
	Molded Case Bkrs	30%			2050	**	5	\$100
<hr/>								
Wiring								
	Thermoplastic	70%			2028	\$19,400	1	
	Thermoplastic	30%			2054	**	1	
<hr/>								
Motor Controllers								
	Locally Mounted	100%			2026	\$14,400	5	\$100
<hr/>								
Ground								
Grounding Devices								
	Not Accessible	100%						
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : It Is Assumed That The Electrical System Of This Building Is Grounded As Per Code Requirement</i>								
<hr/>								
Stand-by Power								
Transfer Switches								
	Automatic	100%			2033	**	1	\$4,900
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : No Available Nameplate Ratings</i>								
<hr/>								
Generators								
	Diesel	100%			2031	**	1	\$6,200
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Emergency Generator Rated @ 60 Kw</i>								
<hr/>								
Batteries								
	Lead/Acid	100%			2021	\$1,500	5	\$600
<hr/>								
Fuel Storage								
	Main Tank	100%			2043	**	5	\$500
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 50 Gallons Rated Capacity</i>								

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FIRE DEPARTMENT - 057
SQUAD 270
Asset # : 14076

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Interior Lighting								
Fluorescent	70%			2036	**	10	\$10,300	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement, 1st, 2nd, 3rd Floor Division Office</i>								
Fluorescent	10%			2023	\$4,300	10	\$1,500	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 3rd Floor District Office</i>								
Fluorescent	5%			2028	\$2,200	10	\$700	
<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Kitchen And Lounge</i>								
LED	15%			2036	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Squad 270</i>								
<i>Explanation : LED Light Fixtures</i>								
Egress Lighting								
Emergency, Battery	50%			2036	**	10	\$1,900	
Exit, Service	50%			2036	**	1		
Exterior Lighting								
HID	50%			2028	\$30,300	10		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Front Of The Building</i>								
<i>Explanation : 2- HID Fixtures</i>								
LED	50%			2036	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Of The Building</i>								
<i>Explanation : 2- LED Fixtures</i>								
Alarm								
Security System								
Generic	100%			2028	\$48,500	1	\$6,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Front Of The Building</i>								
<i>Explanation : 4 CCTV Surveillance Cameras</i>								
Fire/Smoke Detection								
Generic, Analog	100%			2036	**	1-3	\$9,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd And 2nd Floor</i>								
<i>Explanation : Smoke Detectors Only</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Electricity	10%			2038	**	1		
Natural Gas	90%			2038	**	1		

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FIRE DEPARTMENT - 057
SQUAD 270
Asset # : 14076

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
	Conversion Equipment							
	Radiant Heater	10%			2033	**	2	\$700
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Garage Area</i>						
		<i>Explanation : 2 Units</i>						
	Steam Boiler	90%			2045	**	1	\$14,300
		<i>Other Observation, Extent : Light, Area Affected : 90%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Good Condition</i>						
Distribution								
	Central Plant Steam Piping/Pmp	40%			2028	\$101,600	4	\$500
	No Component	10%						
	Under Construction	50%						
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Half Of The Building Is Under Renovation</i>						
Terminal Devices								
	Convactor/Radiator	40%			2026	\$32,100	1	\$2,100
	No Component	10%						
	Under Construction	50%						
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Half Of The Building Is Under Renovation</i>						
Air Conditioning								
	Energy Source							
	Electricity	100%			2036	**	1	
Conversion Equipment								
	Exterior Pkg Unit - Cooling	20%			2033	**	2	\$200
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 2nd Floor</i>						
		<i>Explanation : Serves Half Of The 2nd Floor Only</i>						
	Window/Wall Unit	20%			2021	\$6,300	1	
	No Component	10%						
	Under Construction	50%						
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : 2nd Floor</i>						
		<i>Explanation : 2nd Floor Of The Building Is Under Renovation</i>						

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FIRE DEPARTMENT - 057
SQUAD 270
Asset # : 14076

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Distribution								
	Ductwork/Diffusers	20%			LIFE	**	2	\$5,200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Serves Half Of The 2nd Floor Only</i>								
	Ductwork/Diffusers	20%			LIFE	**	2	\$5,200
<i>Recent Installation, Extent : Light, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
	No Component	60%						
Terminal Devices								
	No Component	80%						
	Under Construction	20%						
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Half Of The Building Is Under Renovation</i>								
Heat Rejection								
	No Component	80%						
	Under Construction	20%						
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Half Of The Building Is Under Renovation</i>								
Ventilation								
Distribution								
	No Component	50%						
	Under Construction	50%						
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Half Of The Building Is Under Renovation</i>								
Exhaust Fans								
	Wall Unit	15%			2023	\$800	2	\$100
	No Component	35%						
	Under Construction	50%						
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Half Of The Building Is Under Renovation</i>								
Plumbing								
H/C Water Piping								
	Brass/Copper	50%			2038	**	1	
<i>No Water Meter, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
	Under Construction	50%						
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Half Of The Building Is Under Renovation</i>								

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FIRE DEPARTMENT - 057
SQUAD 270
Asset # : 14076

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Water Heater Gas Fired	50%			2023	\$4,600	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 - 75 Gallon Units</i>						
Under Construction	50%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Half Of The Building Is Under Renovation</i>						
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Non-Submersible	100%			2028	\$2,300	4	\$500	
Fixtures								
Under Construction	50%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Half Of The Building Is Under Renovation</i>						
Generic	50%							
Fire Suppression								
Chemical System Generic	100%			2023	\$1,900	1-3	\$4,000	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor Kitchen</i>						
		<i>Explanation : 1st Floor Kitchen</i>						

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Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : SQUAD 288 HAZARDOUS MATERIAL UNIT
Address : 56-29 68th STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.288 / 13174 **Yr Built/Renovated** : 1913 /
Area Sq Ft : 8,800 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-May-2016 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2395 **Lot** : 4 **BIN** : 4055348

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$64,700	
Interior Architecture	\$94,100	
Total	\$158,800	
Importance Code A	\$64,700	
Importance Code B	\$94,100	
Total	\$158,800	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$80,100			\$2,500
Interior Architecture	\$60,800	\$400	\$600	\$2,600
Electrical	\$4,700	\$300		\$100
Mechanical	\$12,700	\$10,100	\$1,600	\$1,200
Site Enclosure	\$22,100			
Total	\$180,400	\$10,900	\$2,200	\$6,300
Importance Code A	\$87,800	\$900	\$900	\$3,300
Importance Code B	\$31,100	\$10,000	\$1,300	\$3,000
Importance Code C	\$61,400			
Total	\$180,400	\$10,900	\$2,200	\$6,300



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FIRE DEPARTMENT - 057
SQUAD 288 HAZARDOUS MATERIAL UNIT
Asset # : 13174

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Copper/Terne	2%	Now	\$33,800	2062	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Cornice At Front</i>								
Masonry: Brick	85%	Now	\$10,100	LIFE	**	5	\$16,800	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : East Rear Corner And Side</i>								
Masonry: Granite	3%			LIFE	**	5	\$400	
Masonry: Limestone	5%	Now	\$5,400	LIFE	**	5	\$700	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Front Facade</i>								
Wood Overhead Doors	5%			2032	**	5	\$4,900	
Windows								
Aluminum	100%	2-4	\$18,600	2043	**	5	\$1,100	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,900	
Masonry: Brick	85%	2-4	\$12,200	LIFE	**	5	\$2,100	
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Parapet</i>								
Masonry: Limestone	5%			LIFE	**	5	\$200	
Roof								
Modified Bitumen	100%	0-2	\$64,700	2037	**			
<i>Alligatoring, Extent : Light, Area Affected : 25%</i>								
<i>Location : At Seams</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : All Pitchpockets Are Failed</i>								
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Caulk At Flashing</i>								
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$37,000	LIFE	**	5	\$13,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Apparatus Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Steel Columns Shoring Up Apparatus Room Floor From Basement</i>								
Ceramic Tile	10%			2036	**	5	\$1,200	
Quarry Tile	5%			2040	**	5	\$900	
Vinyl Tile	35%	0-2	\$17,600	2032	**	3	\$1,600	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								

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FIRE DEPARTMENT - 057
SQUAD 288 HAZARDOUS MATERIAL UNIT

Asset # : 13174

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	5%	Now	\$15,400	LIFE		**		
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Front Wall Near Electrical Panels</i>								
Ceramic Tile	40%	Now	\$9,000	2036		**	\$3,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout Apparatus Room</i>								
Gypsum Board	15%			LIFE		**	\$1,500	
Masonry: Brick	15%	Now	\$9,500	LIFE		**		
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Plaster	25%	Now	\$6,500	LIFE		**	\$1,200	
<i>Deteriorated Finish, Extent : Severe, Area Affected : 70%</i>								
<i>Location : 2nd Floor Stair</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : 2nd Floor Stair</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : At Windows Throughout</i>								
Ceilings								
AcousTileSusp.Lay-In	35%			2032		**	\$4,200	
Exposed Concrete	30%	Now	\$57,100	LIFE		**	\$600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Basement Ceiling</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Below Watch Area</i>								
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Below Watch Area And Basement</i>								
<i>Explanation : Large Chunks Of Concrete Have Fallen, Exposing Reinforcing</i>								
Plaster	35%	Now	\$2,700	LIFE		**	\$2,600	
<i>Paint Peeling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : 2nd Floor Stair</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd Floor Stair, Scuttle To Roof</i>								
Site Enclosure								
Free Standing Walls								
Masonry: Brick	100%	2-4	\$20,900	2047		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Retaining Walls								
Cast in Place Concrete	100%	0-2	\$1,200	2062		**		
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Steel Post Struts To Brace Retaining Wall Are Rusted/ Failing</i>								
Site Pavements								

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FIRE DEPARTMENT - 057
SQUAD 288 HAZARDOUS MATERIAL UNIT
Asset # : 13174

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%			2040	**			
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Parking/Driveway

Cast in Place Concrete	100%			2040	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%	0-2	\$2,400	2053	**	5	\$100	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement Service Room**Explanation : 200 Amperes 3 Phase - Main Circuit Breaker In Main Distribution Panel Only*

Raceway

Conduit	100%			2037	**	1		
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Panelboards

Molded Case Bkrs	100%			2035	**	5	\$200	
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Wiring

Thermoplastic	100%			2037	**	1		
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Motor Controllers

Locally Mounted	100%			2025	\$14,400	5	\$100	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement Boiler Room And 1st Floor**Explanation : Controls For Heating System And 2 Overhead Doors*

Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Lighting

Interior Lighting

Fluorescent	95%			2027	\$22,600	10	\$7,700	
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*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 70%**Location : Basement And 1st Floor*

Incandescent	5%			2027	\$2,800	2		
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*Other Observation, Extent : Light, Area Affected : 20%**Location : 2nd Floor Conference Room**Explanation : Incandescent Lamps*

Egress Lighting

Exit, Service	30%			2027	\$300	1		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : 2nd Floor**Explanation : Exit Fixture Observed*

No Component	70%							
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Exterior Lighting

HID	100%			2032	**	10		
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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SQUAD 288 HAZARDOUS MATERIAL UNIT
Asset # : 13174

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lightning Protection
Arresters/Cabling
Generic

100% 2055 * * 5 \$300

Alarm

Fire/Smoke Detection
No Component
Generic, Analog

95%
5% 0-2 \$2,300 2027 \$4,600 1-3 \$200

Devices Missing, Extent : Severe, Area Affected : 50%
Location : 2nd Floor

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100% 2047 * * 1

Conversion Equipment

Steam Boiler

100% 4+ \$5,300 2040 * * 1 \$7,800

Other Observation, Extent : Light, Area Affected : 30%
Location : Boiler

Explanation : Jacket Rusted Out Due To Leak Above. Chimney Hatch Has Also Rusted Off Hinges.

Distribution

Central Plant Steam
Piping/Pmp

100% 4+ \$7,000 2037 * * 4 \$400

Other Observation, Extent : Moderate, Area Affected : 20%
Location : Piping Around Boiler
Explanation : Evidence Of Steam Leak Above Boiler

Terminal Devices

Convactor/Radiator

100% 2032 * * 1 \$2,800

Other Observation, Extent : Moderate, Area Affected : 100%
Location : Throughout

Explanation : Original Equipment. Showing Signs Of Age.

Air Conditioning

Energy Source

Electricity

100% 2043 * * 1

Conversion Equipment

Window/Wall Unit

50% 2020 \$8,600 1

No Component

50%

Ventilation

Distribution

Ductwork/Diffusers

50% LIFE * * 2-5 \$2,500

No Component

50%

Exhaust Fans

Interior

50% 2027 \$14,600 2 \$100

Roof

50% 2032 * * 2 \$100

Plumbing

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
SQUAD 288 HAZARDOUS MATERIAL UNIT
Asset # : 13174

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
H/C Water Piping Brass/Copper	100%			2037	**	1		
Water Heater Gas Fired	100%			2025	\$5,000	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping Cast Iron	10%			LIFE	**	1		
<i>Recent Replace Evident, Extent : Light, Area Affected : 40%</i>								
<i>Location : Boiler Room</i>								
Cast Iron	40%			LIFE	**	1		
<i>Recent Replace Evident, Extent : Light, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Explanation : No Hub Cast Iron Piping</i>								
Cast Iron	50%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Submersible	100%			2020	\$300	4	\$300	
Backflow Preventer No Component	95%							
Generic	5%			2032	**	1		
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System Wet	5%			2025	\$100	1-3	\$200	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Over Range</i>								
No Component	95%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : SQUAD 41
Address : 330 EAST 150th STREET
Borough : BRONX
Program / Asset # : FIRSECO.041 / 13029
Area Sq Ft : 7,125
Date of Survey : 21-Mar-2016
Areas Surveyed : Basement, Roof, Floors 1,2,3,4
Block : 2331 **Lot** : 33 **BIN** : 2000930
Agency's Number : N/A
Yr Built/Renovated : 1903 / 2003
Project Type : FIRE DEPARTMENT
Landmark Status : HISTORICAL LANDMARK DISTRICT

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture		\$42,300
Total		\$42,300
Importance Code A		\$42,300
Total		\$42,300

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$9,400	\$2,500		
Interior Architecture	\$35,300	\$1,500	\$100	\$300
Electrical	\$100	\$100	\$100	\$11,500
Mechanical	\$12,800	\$4,000	\$1,600	\$5,500
Site Pavements	\$13,600			
Total	\$71,200	\$8,100	\$1,800	\$17,300
Importance Code A	\$10,100	\$3,200	\$700	\$700
Importance Code B	\$24,800	\$4,800	\$1,100	\$16,500
Importance Code C	\$36,300	\$100		
Total	\$71,200	\$8,100	\$1,800	\$17,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057

SQUAD 41

Asset # : 13029

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%			LIFE	**	5	\$25,400	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 3%</i>								
<i>Location : South Facade</i>								
<i>Spalling, Extent : Light, Area Affected : 1%</i>								
<i>Location : South Facade</i>								
Masonry: Granite	3%			LIFE	**	5	\$700	
Masonry: Limestone	12%			LIFE	**	5	\$2,900	
Metal Sect. OHD	5%			2040	**	5	\$5,000	
Windows								
Aluminum	100%	4+	\$1,000	2043	**	5	\$500	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Interior Wood Trim</i>								
<i>Explanation : Dry Rot</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,900	
Masonry: Brick	85%			LIFE	**	5	\$2,000	
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Main Roof</i>								
Metal Cornice	5%			2055	**	10	\$400	
Roof								
Modified Bitumen	95%	4+	\$8,500	2027			\$42,300	
<i>Blisters, Extent : Light, Area Affected : 30%</i>								
<i>Location : Main Roof And Upper Roof</i>								
<i>Ponding, Extent : Light, Area Affected : 30%</i>								
<i>Location : Main Roof And Upper Roof</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Lower And Main Roof</i>								
Skylight, Metal/Glass	5%			2037	**	10	\$1,200	
<i>Corrosion/Rusting, Extent : Light, Area Affected : 10%</i>								
<i>Location : On Main Roof</i>								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$11,700	
Ceramic Tile	2%			2036	**	5	\$200	
Quarry Tile	5%			2040	**	5	\$800	
Vinyl Tile	38%			2032	**	3	\$1,500	
Wood	5%			2055	**	5	\$1,000	

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057**SQUAD 41****Asset # : 13029**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Interior Walls

Ceramic Tile	1%			2030	**	5	\$200	
Gypsum Board	3%			LIFE	**	5	\$400	

*Repairs in Progress, Extent : Light, Area Affected : 15%**Location : 2nd Floor Bedroom*

Masonry: Brick	15%	0-2	\$12,400	LIFE	**			
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*Spalling, Extent : Moderate, Area Affected : 15%**Location : Basement At Front**Water Penetration, Extent : Moderate, Area Affected : 10%**Location : Basement*

Plaster	56%			LIFE	**	5	\$3,300	
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*Paint Peeling, Extent : Light, Area Affected : 4%**Location : 3rd Floor Bedroom*

SGFT/Glazed Masonry	25%	0-2	\$10,300	LIFE	**			
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 10%**Location : Apparatus Floor*

Ceilings

AcousTileSusp.Lay-In	5%			2032	**	5	\$500	
Embossed Metal	70%	4+	\$2,900	LIFE	**	5	\$3,400	

*Punct/Tear/Impact Damage, Extent : Light, Area Affected : 1%**Location : 4th Floor Ceiling*

Exposed Concrete	23%			LIFE	**	5	\$400	
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Exposed Struc: Steel	2%	2-4	\$9,800	LIFE	**			
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*Corrosion/Rusting, Extent : Severe, Area Affected : 15%**Location : Front Of Basement Under Overhead Door*

Site Enclosure

Fence/Gates

Chain link	100%			2037	**			
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Free Standing Walls

Masonry: Brick	100%			2037	**			
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Retaining Walls

Cast in Place Concrete	100%			2047	**			
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Site Pavements

Parking/Driveway

Asphalt	80%	2-4	\$13,600	2030	**			
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 50%**Location : Parking Area*

Cast in Place Concrete	20%			2032	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SQUAD 41
Asset # : 13029

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
	Service Equipment							
	Fused Disc Sw	100%			2047	**	5	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement Service Area</i>					
			<i>Explanation : 200 Amperes 3 Ph</i>					
<hr/>								
	Raceway							
	Conduit	70%			2027	\$23,900	1	
	Conduit	30%			2047	**	1	
<hr/>								
	Panelboards							
	Molded Case Bkrs	75%			2043	**	5	\$100
	Molded Case Bkrs	25%			2035	**	5	
<hr/>								
	Wiring							
	Thermoplastic	100%			2047	**	1	
<hr/>								
	Motor Controllers							
	Locally Mounted	100%			2032	**	5	
<hr/>								
Ground								
	Grounding Devices							
	Generic	100%			LIFE	**	5	\$100
			<i>Other Observation, Extent : Light, Area Affected : 50%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : There Is No Ground Jumper, Jumping The Water Meter. Jumper Needs To Be Provided.</i>					
<hr/>								
Lighting								
	Interior Lighting							
	Fluorescent	60%			2032	**	10	\$3,900
			<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement, 1st And 3rd Floors</i>					
	Fluorescent	25%			2027	\$5,300	10	\$1,600
	Incandescent	15%			2022	\$7,500	2	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Sleeping Room 2nd Floor</i>					
			<i>Explanation : Downlights</i>					
<hr/>								
	Egress Lighting							
	Emergency, Service	50%			2037	**	1	
	No Component	50%						
<hr/>								
	Exterior Lighting							
	HID	100%			2032	**	10	
<hr/>								
Alarm								
	Security System							
	No Component	75%						
	Generic	25%			2035	**	1	\$700
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Facade</i>					
			<i>Explanation : One Security Camera</i>					

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FIRE DEPARTMENT - 057
SQUAD 41
Asset # : 13029

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%	0-2	\$100	2037	**	1		
<i>Corroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Conversion Equipment								
Steam Boiler	100%			2032	**	1	\$7,100	
Distribution								
Central Plant Steam Piping/Pmp	100%			2037	**	4	\$400	
Terminal Devices								
Convactor/Radiator	100%			2032	**	1	\$2,300	
Air Conditioning								
Energy Source								
Electricity	100%			2043	**	1		
Conversion Equipment								
Split Unit	10%			2032	**			
Window/Wall Unit	20%			2020	\$3,000	1		
Window/Wall Unit	60%	Now	\$5,500	2027	\$9,100	1		
<i>Broken, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 1st, 2nd And 3rd Floors</i>								
No Component	10%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$800	
<i>Needs Cleaning, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen Hood Exhaust Duct</i>								
No Component	80%							
Exhaust Fans								
Interior	25%			2027	\$6,500	2	\$100	
Wall Unit	25%			2027	\$600	2	\$100	
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2037	**	1		
Water Heater								
Gas Fired	100%			2022	\$4,400	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 - 75 Gallon Unit</i>								
Sanitary Piping								
Cast Iron	70%			LIFE	**	1		
Cast Iron	30%	2-4	\$3,200	LIFE	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SQUAD 41
Asset # : 13029

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	Storm Drain Piping								
	Cast Iron	80%			LIFE	* *	1		
	Cast Iron	20%	2-4	\$3,000	LIFE	* *	1		
		<i>Corroded, Extent : Moderate, Area Affected : 30%</i>							
		<i>Location : Basement</i>							
	Sump Pump(s)								
	Submersible	100%			2021	\$200	4	\$200	
	Backflow Preventer								
	No Component	95%							
	Generic	5%			2032	* *	1		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
		<i>Location : Basement</i>							
		<i>Explanation : Serves Boiler Only</i>							
	Fixtures								
	Generic	100%							
		<i>Other Observation, Extent : Light, Area Affected : 50%</i>							
		<i>Location : Bathrooms</i>							
		<i>Explanation : Toilet Bowls Are Cracked</i>							
Fire Suppression									
	Chemical System								
	Wet	10%			2025	\$200	1-3	\$500	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
		<i>Location : Kitchen</i>							
		<i>Explanation : Serves Cooking Area</i>							
	No Component	90%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : SQUAD 61
Address : 1518 WILLIAMSBRIDGE ROAD BTWN EASTCHESTER RD - POPLAR ST
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.061 / 13049 **Yr Built/Renovated** : 1929 /
Area Sq Ft : 6,440 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Mar-2013 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 4082 **Lot** : 11 **BIN** : 2044205

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Exterior Architecture	\$47,600	
Electrical		\$114,500
Total	\$47,600	\$114,500
Importance Code A	\$47,600	
Importance Code B		\$114,500
Total	\$47,600	\$114,500

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Exterior Architecture	\$78,800			\$3,300
Interior Architecture	\$33,100			\$300
Electrical	\$2,400	\$600	\$600	\$700
Mechanical	\$9,600	\$1,000	\$900	\$5,100
Site Enclosure	\$800			
Site Pavements	\$2,300			
Total	\$127,000	\$1,500	\$1,500	\$9,300
Importance Code A	\$79,500	\$600	\$600	\$3,900
Importance Code B	\$35,100	\$900	\$800	\$5,400
Importance Code C	\$12,300			
Total	\$127,000	\$1,500	\$1,500	\$9,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057

SQUAD 61

Asset # : 13049

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%	0-2	\$3,500	2044	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	75%	0-2	\$47,600	LIFE	**	5	\$15,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%	0-2	\$25,500	LIFE	**	5	\$1,600	
<i>Jnt Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Metal Sect. OHD	10%			2037	**	5	\$6,600	
Windows								
Aluminum	100%	0-2	\$17,000	2040	**	5	\$1,000	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$4,000	
Masonry: Brick	75%	Now	\$22,500	LIFE	**	5	\$1,900	
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Roof</i>								
<i>Explanation : New Flashing Is Coming Off</i>								
Masonry: Limestone	5%	0-2	\$1,400	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Jnt Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Roof								
Modified Bitumen	95%	0-2	\$9,100	2029	**			1
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	5%			2044	**	10	\$1,400	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$2,300	LIFE	**	5	\$9,600	
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
<i>Explanation : Floor Replaced Recently, Has 5x5 Patch - Cracked</i>								
Ceramic Tile	10%			2033	**	5	\$900	
Quarry Tile	10%	0-2	\$1,300	2037	**	5	\$700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	30%	0-2	\$8,900	2029	**	3	\$1,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057**SQUAD 61****Asset # : 13049**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior**Interior Walls**

Cast in Place Concrete	30%			LIFE	**			
Ceramic Tile	10%	0-2	\$6,800	2033	**	5	\$600	

Broken/Missing Elements, Extent : Severe, Area Affected : 15%
Location : 2nd Floor Toilets

Gypsum Board	5%			LIFE	**	5	\$400	
Plaster	25%	0-2	\$2,500	LIFE	**	5	\$900	

Cracking/Crumbling, Extent : Moderate, Area Affected : 30%
Location : Throughout

SGFT/Glazed Masonry	30%			LIFE	**			
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Ceilings

AcousTileSusp.Lay-In	20%	0-2	\$5,700	2029	**	5	\$900	
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Cracking/Crumbling, Extent : Severe, Area Affected : 60%
Location : Throughout

Exposed Concrete	30%			LIFE	**	5	\$400	
Plaster	50%	0-2	\$5,700	LIFE	**	5	\$2,700	

Cracking/Crumbling, Extent : Moderate, Area Affected : 30%
Location : Throughout
Water Penetration, Extent : Moderate, Area Affected : 30%
Location : Throughout

Site Enclosure**Fence/Gates**

Chain link	100%	0-2	\$800	2044	**			
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Broken/Missing Elements, Extent : Moderate, Area Affected : 10%
Location : Throughout

Site Pavements**Public Sidewalk**

Cast in Place Concrete	100%			2037	**			
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On-Site Walkways

Cast in Place Concrete	100%	0-2	\$200	2037	**			
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Cracking/Crumbling, Extent : Light, Area Affected : 20%
Location : Throughout

Parking/Driveway

Cast in Place Concrete	100%	0-2	\$2,100	2037	**			
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Cracking/Crumbling, Extent : Light, Area Affected : 10%
Location : Throughout

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts**Service Equipment**

Fused Disc Sw	100%			2034	**	5		
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Other Observation, Extent : Moderate, Area Affected : 100%
Location : Basement

Explanation : Main Service Switch Rated @ 200 Amperes

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
SQUAD 61
Asset # : 13049

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2024	\$48,800	5	\$200	
Raceway								
Conduit	100%			2034	**	1		
Panelboards								
Molded Case Bkrs	100%			2032	**	5	\$200	
Wiring								
Thermoplastic	100%			2034	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2029	**	1	\$2,000	
Generators								
Diesel	100%			2027	\$65,700	1	\$2,500	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Outside The Building</i>					
			<i>Explanation : No Available Nameplate Ratings</i>					
Batteries								
Lead/Acid	100%			2019	\$1,500	5	\$200	
Fuel Storage								
Main Tank	100%			2039	**	5	\$200	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 550 Gallon Capacity</i>					
Lighting								
Interior Lighting								
Fluorescent	100%			2024	\$17,400	10	\$5,900	
			<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
Egress Lighting								
Emergency, Service	50%			2024	\$1,600	1		
Exit, Service	50%			2024	\$400	1		
Exterior Lighting								
HID	100%			2024	\$24,300	10		
Alarm								
Security System								
No Component	50%							
Generic	50%			2024	\$9,700	1	\$1,200	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Front Of The Building</i>					
			<i>Explanation : CCTV Surveillance Camera</i>					

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057

SQUAD 61

Asset # : 13049

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2050	**	1		
Conversion Equipment								
Steam Boiler	100%			2041	**	1	\$6,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%	0-2	\$2,000	2044	**	4	\$300	
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Piping Around The Boiler</i>								
Terminal Devices								
Convactor/Radiator	100%			2037	**	1	\$2,100	
Air Conditioning								
Energy Source								
Electricity	100%			2046	**	1		
Conversion Equipment								
Window/Wall Unit	50%			2019		1	\$6,300	
No Component	50%							
Ventilation								
Exhaust Fans								
Interior	50%			2024		2	\$10,700	\$100
Roof	50%			2024		2	\$5,000	\$100
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2029	**	1		
Water Heater								
Gas Fired	100%			2022		2	\$3,700	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 - 75 Gallon Unit</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2019		4	\$200	\$200
Backflow Preventer								
No Component	95%							
Generic	5%			2029	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Boiler Only</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SQUAD 61
Asset # : 13049

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing	Fixtures							
	Generic	100%						
<i>Obsolete Fixtures, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen And Bathroom</i>								
Fire Suppression	Chemical System							
	Dry	10%			2022	\$200	1-3	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Model Kp-275</i>								
	No Component	80%						
	Generic	10%			2022	\$200	1-3	\$400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : FDNY PLATFORM / PILE SUPPORTED PLATFORM
Address : RANDALLS ISLAND SUNKEN MEADOW
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.100 / 13857 **Yr Built/Renovated** :
Area Sq Ft : 17,325 **Project Type** : FIRE DEPARTMENT
Date of Survey : 08-May-2014 **Landmark Status** : NONE
Areas Surveyed :
Block : 1819 **Lot** : 4 **BIN** :

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Piers	\$752,200	\$102,000
Total	\$752,200	\$102,000
Importance Code A	\$536,800	\$66,600
Importance Code B	\$215,400	
Importance Code C		\$35,400
Total	\$752,200	\$102,000

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Piers	\$89,900	\$100		\$5,100
Total	\$89,900	\$100		\$5,100
Importance Code A	\$29,900			
Importance Code B	\$37,900	\$100		\$5,100
Importance Code C	\$22,200			
Total	\$89,900	\$100		\$5,100



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FDNY PLATFORM / PILE SUPPORTED PLATFORM
Asset # : 13857

Piers		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Structural									
Deck									
Concrete	53%			LIFE	**	5	\$17,100		
<i>Cracking, Extent : Light, Area Affected : 5%</i>									
<i>Location : Isolated Throughout Underside Of Pier</i>									
Concrete	2%	4+	\$20,300	LIFE	**	5	\$600		
<i>Spalling, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Throughout In Deck Soffit</i>									
Not Accessible	45%								
Deck Surface									
Asphalt	65%			2034	**	5	\$12,400		
<i>Surface Wearing/Scaling, Extent : Light, Area Affected : 5%</i>									
<i>Location : Throughout</i>									
No Component	5%								
Not Accessible	30%								
Pile Caps									
Concrete	2%	4+	\$9,600	LIFE	**	5			
<i>Cracking, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Throughout</i>									
<i>Spalling, Extent : Severe, Area Affected : 50%</i>									
<i>Location : Isolated Throughout With Exposed Reinforcement</i>									
Concrete	98%			LIFE	**	5	\$1,100		
<i>Cracking, Extent : Light, Area Affected : 5%</i>									
<i>Location : Isolated Throughout</i>									
<i>Spalling, Extent : Light, Area Affected : 2%</i>									
<i>Location : Isolated Throughout</i>									
Piles and Bracing									
Steel	25%	4+	\$536,800	LIFE	**	5	\$66,600		
<i>Corrosion, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Above Mean Low Water Elevation Throughout</i>									
<i>Defective Cathodic Protection, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Anodes Missing Throughout</i>									
<i>Missing Coating, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Above Mean Low Water Elevation Throughout</i>									
Not Accessible	75%								
Fender									
Buffer									
Rubber	65%	Now	\$31,100	2040	**	4-5	\$5,200		
<i>Loose Connections, Extent : Severe, Area Affected : 60%</i>									
<i>Location : At Areas Of Timber Decay Above Mlw Elevation</i>									
No Component	35%								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FDNY PLATFORM / PILE SUPPORTED PLATFORM
Asset # : 13857

Piers		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Fender								
Facing								
Timber	65%	Now	\$72,400	2034	**	3	\$12,100	
			<i>Rotting/Splitting, Extent : Severe, Area Affected : 60%</i>					
			<i>Location : Above Mlw Elevation</i>					
			<i>Other Observation, Extent : Severe, Area Affected : 20%</i>					
			<i>Location : At South End Of Pier And Southeast Face</i>					
			<i>Explanation : Fire Damage</i>					
No Component	35%							
Wales and Chocks								
Timber	65%	Now	\$54,800	2034	**	4	\$16,800	
			<i>Rotting/Splitting, Extent : Severe, Area Affected : 70%</i>					
			<i>Location : Typical Upper Wale And Isolated Throughout</i>					
			<i>Other Observation, Extent : Severe, Area Affected : 30%</i>					
			<i>Location : At South End Of Pier</i>					
			<i>Explanation : Fire Damage</i>					
No Component	35%							
Piles								
Steel	15%	Now	\$44,100	2040	**	3-5	\$15,800	
			<i>Other Observation, Extent : Severe, Area Affected : 30%</i>					
			<i>Location : Near Center Of Berth</i>					
			<i>Explanation : Impact Damage</i>					
Steel	15%	4+	\$44,100	2040	**	3-5	\$15,800	
			<i>Corrosion, Extent : Moderate, Area Affected : 35%</i>					
			<i>Location : Above Mlw Throughout Piles And Angle Bracing</i>					
No Component	35%							
Not Accessible	35%							
Pile Cluster								
Timber	35%			2023	\$35,400	4-10	\$12,800	
			<i>Rotting/Splitting, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : Within The Tidal Zone</i>					
Timber	15%	Now	\$15,200	2030	**	4	\$700	
			<i>Broken, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Offshore Dolphin. Within Tidal Zone.</i>					
Not Accessible	50%							
Deck Elements								
Railing								
Steel	5%	0-2	\$6,800	2023	\$22,700			
			<i>Loose Connections, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Railing At North Side Of North Apron</i>					
Fencing	95%			2026	\$24,500	3	\$200	
			<i>Corrosion, Extent : Light, Area Affected : 5%</i>					
			<i>Location : At Base Connections</i>					

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : WHARF UNDER EC 331/LC 173 BY HARBOR ADAM
Address : 158-67 CROSS BAY BLVD. SHELL BANK BASIN
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : NYP0103.010 / 13649 **Yr Built/Renovated** :
Area Sq Ft : 5,520 **Project Type** : FIRE DEPARTMENT
Date of Survey : 23-Jan-2014 **Landmark Status** : NONE
Areas Surveyed :
Block : 14163 **Lot** : 101 **BIN** :

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Piers	\$13,700			
Total	\$13,700			
Importance Code A	\$13,700			
Importance Code B				
Total	\$13,700			



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
WHARF UNDER EC 331/LC 173 BY HARBOR ADAM
Asset # : 13649

Piers		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Structural	Deck							
	Concrete	60%			LIFE	**	5	\$6,200
				<i>Cracking, Extent : Light, Area Affected : 5%</i>				
				<i>Location : Throughout</i>				
				<i>Spalling, Extent : Light, Area Affected : 5%</i>				
				<i>Location : At Pile Cap Interface, South Underside Of Pier</i>				
				<i>Other Observation, Extent : Light, Area Affected : 5%</i>				
				<i>Location : Isolated Throughout Underdeck</i>				
				<i>Explanation : Honeycombing</i>				
	Not Accessible	40%						
Pile Caps								
	Concrete	15%	4+	\$13,700	LIFE	**	5	\$100
				<i>Spalling, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Southeast Pile Cap</i>				
	Concrete	85%			LIFE	**	5	\$300
Piles and Bracing								
	Concrete Encased Steel	75%			LIFE	**		
				<i>Recent Repair Evident, Extent : Light, Area Affected : 100%</i>				
				<i>Location : All Piles Are Encased In Concrete</i>				
	Not Accessible	25%						
Fender								
	Facing							
	Composite	40%			2024			\$9,900
	No Component	25%						
	Not Accessible	35%						
Deck Elements								
	Railing							
	Steel	25%			2023			
				<i>Corrosion, Extent : Light, Area Affected : 10%</i>				
				<i>Location : Throughout Railing</i>				
	No Component	75%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : EAST SHORE RIP-RAP SHORELINE
 Address : RANDALLS ISLAND/ NORTH OF DEP TO NORTH OF PLATFORM
 Borough : MANHATTAN Agency's Number : N/A
 Program / Asset # : FIR0003.110 / 13858 Yr Built/Renovated :
 Linear Ft : 720 Project Type : FIRE DEPARTMENT
 Date of Survey : 08-May-2014 Landmark Status : NONE
 Areas Surveyed :
 Block : 1819 Lot : 4 BIN :

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Bulkheads	\$52,900	
Total	\$52,900	
Importance Code C	\$52,900	
Total	\$52,900	

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Bulkheads	\$27,100	\$100		
Total	\$27,100	\$100		
Importance Code B	\$27,100	\$100		
Importance Code C				
Total	\$27,100	\$100		



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EAST SHORE RIP-RAP SHORELINE

Asset # : 13858

Bulkheads		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Structural								
	Revetment							
	Stone	90%			LIFE	**	5	\$3,900
		<i>Settlement, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Steep Slope Throughout</i>						
	Stone	10%	4+	\$52,900	LIFE	**	5	\$400
		<i>Settlement, Extent : Moderate, Area Affected : 5%</i>						
		<i>Location : At 375 Feet To 400 Feet And 505 To 570 Feet From North Of FDNY Pier</i>						
Backfill								
	Fill							
	Topsoil	15%	Now	\$23,200	2065	**		
		<i>Erosion, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Beneath North Apron Of Fdny Pier; And At 482 From North</i>						
		<i>Sinkhole, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Adjacent To FDNY Platform</i>						
	Not Accessible	85%						
	Surface							
	Gravel	20%			2038	**	2-5	\$400
	Topsoil	40%			2023	\$15,500	5	\$1,300
	Topsoil	5%	Now	\$1,900	2025	\$1,900	5	\$100
		<i>Settlement, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Adjacent To FDNY Platform</i>						
	Not Accessible	35%						
Deck Elements								
	Railing							
	Fencing	55%			2026	\$21,500	3	\$200
	Fencing	5%	Now	\$2,000	2030	**	3	
		<i>Progressing Scour, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : 20 Feet Lengths At 530 Feet And 640 Feet From North Of FDNY Pier</i>						
	No Component	40%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

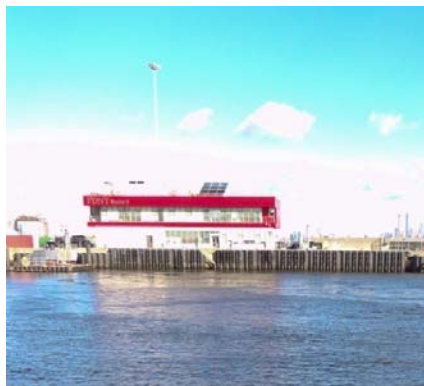
Print Date : 13-Oct-2017

FIRE DEPARTMENT - FY 2018

Asset Name : NAVY HOMEPORT MARINE 9 RESPONSE UNIT MARINA
Address : AT FRONT AND WAVE STREETS
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRMAR9.010 / 14767 **Yr Built/Renovated** : 2011 /
Area Sq Ft : 2,800 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Jan-2015 **Landmark Status** : NONE
Areas Surveyed :
Block : 487 **Lot** : 100 **BIN** :

CAPITAL	FY 2019 - 2022	FY 2023 - 2028
Marinas/Docks	\$194,700	\$227,200
Total	\$194,700	\$227,200
Importance Code A	\$194,700	\$227,200
Total	\$194,700	\$227,200

EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Marinas/Docks	\$6,300	\$300	\$400	\$4,900
Total	\$6,300	\$300	\$400	\$4,900
Importance Code A	\$3,500			\$2,200
Importance Code B	\$2,500	\$100	\$100	\$2,500
Importance Code C	\$300	\$200	\$300	\$200
Total	\$6,300	\$300	\$400	\$4,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
NAVY HOMEPORT MARINE 9 RESPONSE UNIT MARINA
Asset # : 14767

Marinas/Docks		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Access Walkways								
Gangways								
Aluminum	100%			2052	**	1-3	\$10,600	
Floating Docks								
Anchor Piles								
Steel	50%			2052	**	3-5	\$8,700	
<i>Corrosion, Extent : Light, Area Affected : 10%</i>								
<i>Location : Tidal Zone</i>								
Not Accessible	50%							
Deck								
Concrete	100%			2035	**	5	\$89,500	
<i>Cracking, Extent : Light, Area Affected : 50%</i>								
<i>Location : Northern Half</i>								
Fenders								
Rubber	100%			2025	\$3,400	1-2	\$2,500	
Floats/Frames								
Not Accessible	100%							
Barge								
Steel	50%			2039	**	5	\$2,800	
Not Accessible	50%							
Protective Structure								
Fenders								
Steel/Rubber	60%			2024	\$100,300			
<i>Worn, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout Splash Zone Along Fire Fighter 2 Berth</i>								
Not Accessible	40%							
Wave Attenuator								
Steel/Timber	5%	2-4	\$67,800	2052	**	5	\$9,100	
<i>Loose Connections, Extent : Severe, Area Affected : 100%</i>								
<i>Location : On Section Adjacent To Floating Dock</i>								
Steel/Timber	45%			2052	**	5	\$164,300	
Not Accessible	50%							
Electrical/Mech.								
Power Supply/Bollards								
Plastic	100%			2025	\$6,600			
Fender								
Piles								
Steel	50%			2027	\$27,900			
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Tidal Zone Of Monopile Fenders</i>								
<i>Explanation : Corrosion</i>								
Not Accessible	50%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057**Project : FIRE DEPARTMENT**

CAPITAL	FY 2019 - 2022		FY 2023 - 2028	
Miscellaneous Buildings	2,523,700		1,120,500	
EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Miscellaneous Buildings	90,600	32,000	57,700	54,800

ASSET #	NAME	SQFT	CAPITAL	EXPENSE
1832	FIRE ACADEMY FIRE SIMULATOR BLDG #4	6,000	291,600	16,900
1833	FIRE ACADEMY MAINTENANCE AND STORAGE BLDG. 10	4,800	233,300	13,500
1857	FIRE ACADEMY FIRE SIMULATOR BLDG #2	6,000	291,600	16,900
13736	FORT TOTTEN - BLDG. # 100 GUARD GATE	63	0	2,300
13742	FORT TOTTEN - BLDG. # 131 FORMER RESIDENCE	3,274	159,100	9,200
13743	FORT TOTTEN - BLDG. # 132 FORMER RESIDENCE	4,286	208,300	12,100
13744	FORT TOTTEN - BLDG. # 135 FORMER RESIDENCE	4,339	210,900	12,200
13745	FORT TOTTEN - BLDG. # 136 FORMER RESIDENCE	4,287	208,400	12,100
13751	FORT TOTTEN - BLDG. # 305 FORMER RESIDENCE	1,555	75,600	4,400
13752	FORT TOTTEN - BLDG.# 306 A AND B FORMER RESIDENCE	4,194	203,800	11,800
13753	FORT TOTTEN - BLDG.# 307 A AND B FORMER RESIDENCE	4,194	203,800	11,800
13754	FORT TOTTEN - BLDG.# 308 A AND B FORMER RESIDENCE	4,208	204,500	11,800
13756	FORT TOTTEN - BLDG.# 310 A AND B FORMER RESIDENCE	4,208	204,500	11,800
13757	FORT TOTTEN - BLDG.# 312 A AND B FORMER RESIDENCE	4,282	208,100	12,000
13758	FORT TOTTEN - BLDG.# 314 A AND B QUARtermaster STORAGE	3,274	159,100	9,200
13760	FORT TOTTEN - BLDG. # 317 FORMER RESIDENCE	6,056	294,300	17,000
13765	FORT TOTTEN - BLDG. # 331 STORAGE	2,550	123,900	7,200
14029	FORT TOTTEN - BLDG. # 334 QUARtermaster STORAGE	600	0	21,900
14099	FIRE ACADEMY LIBRARY - BLDG. #13	2,500	121,500	7,000
14944	FIRE ACADEMY BLDG. 15	1,296	63,000	3,600
14945	FIRE ACADEMY BLDG. 16	1,550	75,300	4,400
14946	FIRE ACADEMY BLDG. 17	2,124	103,200	6,000

Project : FIRE DEPARTMENT

CAPITAL	FY 2019 - 2022		FY 2023 - 2028	
Special Systems	600,000		0	
EXPENSE	FY 2019	FY 2020	FY 2021	FY 2022
Special Systems	939,000	1,126,000	1,346,000	1,654,000

ASSET #	NAME	SQFT	CAPITAL	EXPENSE
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FIRE DEPARTMENT - 057

ASSET #	NAME	SQFT	CAPITAL	EXPENSE
4534	FIREBOAT-GOVERNOR ALFRED E SMITH		0	0
4541	FIREBOAT - FIRE FIGHTER II		150,000	2,353,000
4542	FIREBOAT - THREE FORTY-THREE		150,000	1,654,000
4543	FIREBOAT - BRAVEST		225,000	721,000
4544	FIREBOAT - FEEHAN		75,000	337,000

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